



# भारत का राजापत्र

## The Gazette of India

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं. ४४] नई विल्लो, शनिवार, अक्टूबर, २९, १९८८ (कार्तिक ७, १९१०)

No. 44] NEW DELHI, SATURDAY, OCTOBER 29, 1988 (KARTIKA 7, 1910)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

### भाग III—खण्ड २

#### [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस  
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

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PATENTS AND DESIGNS  
Calcutta, the 29th October, 1988

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1-307 GI/88

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Calcutta-700 020.  
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## CORRIGENDA

In the Gazette of India Part III, Section 2, dated 22nd October, 1988 in respect of Patent No. 163960 read as 163660, filing date, 9th June, 1986 read as 9th July, 1986.

In the Gazette of India, Part III, Section 2, dated 17th September, 1988 in respect of Patent application No. 488/Mas/86, Serial No. will be 163430.

1. In the Gazette of India, Part III, Section 2, dated 4th June, 1988 under the heading application for patents filed in the Patent Office Branch, Bombay-13 on page 485.

(i) In respect of Patent application No. 83/Bom/1988. The name of application read as 'VIRENDRA RASIKLAL DÖSHI AND SHAILESH MAHEN-DRAKUMAR PARIKH'.

2. In the Gazette of India, Part III, Section 2, dated 11th June, 1988 under the heading Application for patents filed in the Patent Office Branch, Bombay-13 on page No. 518 and 519.

(i) In respect of Patent Application No. 91/Bom/1988 and 92/Bom/1988 the name of applicant read as MANJU AGRAWAL AND MOHAN-DAS AGRAWAL.

3. In the Gazette of India, Part III, Section 2, dated 18th June, 1988 under the heading Complete Specification Accepted on page 561 and 562.

(i) In respect of Patent No. 162639 (180/Bom/1986). International Classification read as CO 7 D-307/32 and title read as 'A PROCESS FOR THE PREPARATION OF 5-(2'-2' DICHLOROETHENYL) DIHYDRO-4, 4-DIMETHYL-2-(3H)-FURANDNE and in claim para (v) for 0.50° read 0—50°C and Formula XIII has.

(ii) In respect of Patent No. 162638 (166/Bom/1986). In claim, line 22 read as SIZE AND OVEN DRYING IN AN OVEN HEATED ELECTRICALLY/HEATED BY and in line 32 for SOZE read as SISE.

4. In the Gazette of India, Part III, Section 2 dated 25th June, 1988 under the heading Application for Patents filed in the Patent Office Branch, Bombay-13 on page 568.

(i) In respect of Patent Application No. 103/Bom/1988, the title of invention read as 'AN IMPROVED DUST MOISTURE AND OIL TIGHT (30.5 mm) PUSHBUTTON SWITCH HAVING SELF WIPING CONTACTS'.

5. In the Gazette of India, Part III, Section 2, dated 30th July, 1988 under the heading 'Complete Specification Accepted' on page 735.

(i) In respect of Patent No. 163033 (165/Bom/1985). Date of application filed read as 28th JUNE, 1985 and in claim, in line one for BER read BAR.

APPLICATION FOR PATENTS FILED AT  
THE HEAD OFFICE  
234/4, ACHARYA JAGADISH BOSE ROAD  
CALCUTTA-700 020.

The dates shown in the crescent brackets are the dates claimed under Section 135, of the Patents Act, 1970.

The 21st September 1988

789/Cal/88. Westinghouse Electric Corporation. Improvements in or relating to fly ash recycling to reduce toxic gaseous emissions.

790/Cal/88. Nabisco/Cetus Food Biotechnology Research partnership. Cereal products naturally sweetened with fructose.

The 22nd September 1988

791/Cal/88. Hoechst Aktiengesellschaft. Bis (hydroxyethylsulfonylmethyl) anilines and a process for their preparation.

792/Cal/88. (1) Vladimirsly Politekhnichesky Institut USSR. (2) Proizvodstvennoe Obiedinenie Leningradsky 'Armatura-Karbjuratorny' Zavod imeni V. V. Kujbysheva USSR. Carburetor for two-stroke spark-ignition engine with crankcase scavenging.

793/Cal/88. Zhao Shengcui. Process of preparing polyurethane plug for contraception use.

The 23rd September 1988

794/Cal/88. Personal Products Company. Absorbent flexible board.

795/Cal/88. Personal Products Company. Unitized sanitary napkins.

796/Cal/88. Personal Products Company. Apparatus for partially slitting absorbent boards for products such as sanitary napkins, diapers, tampons and the like.

797/Cal/88. (1) Mrs. Jutta Mai and (2) Mr. Heinz Mai. Product for restoring, as well as stimulating and increasing hair growth.

798/Cal/88. James Anthony Houghton. In vitro method, for the induction of the spermatozoal acrosome reaction and application of said method to the assessment of spermatozoa and the treatment of male-related infertility.

The 26th September 1988

799/Cal/88. Rajeev Kumar Sahu. Portbrush.

800/Cal/88. Voest-Alpine Stahl Donawitz Gesellschaft m.b.H. Process for continuously melting of steel.

801/Cal/88. American Cyanamid Company. Organic amines containing hydroxyalkyl carbonate groups and method of making the same. [Divisional dated 5th February, 1985].

802/Cal/88. The Lubrizol Corporation. Improved process for making substituted carboxylic acids and derivatives thereof. [Divisional dated 28th January, 1985].

803/Cal/88. Columbian Chemicals Company. Non-cylindrical reactor for carbon black production.

The 27th September 1988

804/Cal/88. Belorusky Politekhnichesky Institut USSR. Method for making a tubular member having transverse ribs for use in a heat exchanger.

The 28th September 1988

805/Cal/88. Bhairab Chandra Bhattacharya. Acquired immune deficiency syndrome (aids), virus infection test kit.

806/Cal/88. Martini S.P.A. Asphaltic concrete production apparatus.

APPLICATION FOR PATENTS FILED AT  
THE PATENT OFFICE BRANCHMUNICIPAL MARKET BUILDING, THIRD FLOOR  
KAROL BAGH, NEW DELHI 110 005

The 29th August 1988

733/Del/88 Mahesh Gupta, "Portable viscometer"

734/Del/88 Prabhat Kumar, "An improved particulate separation device"

735/Del/88 Prabhat Kumar, "A geyser"

736/Del/88 Council of Scientific &amp; Industrial Research, "A device for testing permability of geotextiles".

737/Del/88 Solvay &amp; Cie, "Polyolefinic compositions with modified rheological properties and their use".

The 30th August 1988

738/Del/88 PPG Industries, Inc, "Method and apparatus for deposition metal oxide coating on float glass"

739/Del/88 Jack V Edling 'High efficiency rotary steam engine

The 31st August 1988

740/Del/88 Binner Bindra, An apparatus for converting existing petrol driven automobiles and engines for operation on either gaseous fuels or petrol at the will of the driver or operator'

741/Del/88 Sanjeev Kumar Singh &amp; Katra Bajrasi, "Improved ceiling fan"

742/Del/88 Shell Internationale Research Maatschappij B V, "A process for the preparation of dimerization products from aliphatic mono-olefins". (Convention date 19th December, 1984) (U K) &amp; [Divisional date 17th December, 1985]

743/Del/88 Exxon Chemical Patents Inc, "Flow improvers and cloud point depressants" (Convention date 2-9-87) (U K)

744/Del/88 Salplex Ltd, "Information handling and control systems, and methods of testing the condition of electrical loads in such systems" (Convention date 21st September, 1987) (U K)

745/Del/88 Salplex Ltd, "Information handling and control systems and method of testing the condition of electrical loads in such systems" (Convention date 21-9-87) (U K)

The 1st September 1988

746/Del/88 Mararosa Abbate, "Method &amp; device for stimulating the scalp and promoting hair growth".

The 2nd September 1988

747/Del/88 Passamaquoddy Tribe &amp; Pleasant Point Reservation, "Method for scrubbing pollutants from an exhaust gas stream"

The 5th September 1988

748/Del/88 Ajay Chikarsal, "Computer multi user screen sharing system"

749/Del/88 Avani Kumar 'Electrical immersion appliance for water heating and vapourising"

750/Del/88 National Council for Cement and Building materials, "Alum kiln"

751/Del/88 National Council for Cement and Building Materials, "A suspension preheater system incorporating horizontal cyclone"

752/Del/88 Allergan Inc 'Multifocal birefringent lens system'

753/Del/88 Union Carbide Corporation, "A process for hydrocracking high boiling hydrocarbon feedstock to produce lower boiling products" [Divisional date 7th December, 1985]

754/Del/88 The Cross Co 'CNC turning machine' [Divisional date 16th April, 1986]

The 6th September 1988

755/Del/88 Acumeter Laboratories Inc, 'Method of in-line production of successive barrier and silicone coated inexpensive porous and absorbent paper and similar substrates, and products produced thereby'

756/Del/88 Punjab Tractors Ltd 'A harvester combine'.

757/Del/88 U S Automation Co 'Method and apparatus for forming bainite'

758/Del/88 Peter David Young, 'Article handling apparatus' (Convention date 7th September, 1987 &amp; 29th March, 88) (U K)

The 7th September 1988

759/Del/88 Ray Alexander Nairnass, 'Improved die press'. (Convention date 8th September, 1987) (Australia)

The 8th September 1988

760/Del/88 Societe D'Exploitation De Brevets Pour L'Industrie Lt Va Maune Sebim, 'Pilot control safety valve'

761/Del/88 Aculund &amp; Rausing Licens AB, "Powder proof recyclable lid for containers"

762/Del/88 Vsesojuzny Nauchno-Issledovatelsky Institut Metallurgicheskoi Ispolitelniki, "Membrane element and membrane apparatus for releasing high purity hydrogen from gaseous hydrogen containing mixtures"

763/Del/88 The Lubrizol Corporation 'Low molecular weight viscosity modifying compositions'.

The 9th September 1988

764/Del/88 Solarchem Enterprises Inc "Process for treatment of organic contaminants"

765/Del/88 Exxon Chemical Patents Inc, "Method for preparing an active metallocene alumoxane catalyst in situ during polymerization"

APPLICATION FOR PATENTS FILED IN  
THE PATENT OFFICE BRANCH  
AT TODI STATES, THIRD FLOOR,  
SUN MILL COMPOUND, LOWER PAREL (WEST)  
BOMBAY-400 013

The 29th July 1988

214/Bom/88 Hindustan Ciba Geigy Ltd A new process for the preparation of benzimidazole carbamates.

The 1st August 1988

215/Bom/88 Bajaj Auto Limited Improved back rest for two wheeler motor vehicles

216/Bom/88 Dr Shantilal K Sanghani Common matchstick having both ends coated instead of one

The 2nd August 1988

217/Bom/88 Ashok Dongre Communication device.

The 9th August 1988

218/Bom/88. Karnataka Explosives Ltd. Spin-bonding process of sealing a cap on to explosive cartridge container/shell used for seismic explosion and the like operations & a cap closing machine.

219/Bom/88. Prashant Narayan Pujari. An improved collapsible framework for modular single sofa-settee-divan-cum-relaxing chair-cum bed unit convertible in to a multiple sofa-cum-bed.

The 10th August 1988

220/Bom/88. Hoechst India Limited. Labdane diterpenoid derivatives topical compositions, and process for hair growth and arrest of hair loss.

221/Bom/88. Hoechst India Limited. Labdane diterpenoid derivatives pyrimido (6, 1-a) isoquinoline-4-one derivatives, topical compositions and process for hair growth and arrest of hair loss.

222/Bom/88. Dr. Mrs. Yamini Sushant, Shah Improvement in relation to methods for obtaining enzyme/urease from meal.

The 11th August 1988

223/Bom/88. Shri Suresh Madhavrao Thakur. Metallic flooring known as 'UMEC' steel tiles.

The 12th August 1988

224/Bom/88. Hoechst India Limited. Antimalarial compositions and methods of treatment using quinidine artemisinine and its derivatives.

225/Bom/88. Crompton Greaves Limited. A process for the preparation of cashew nut shell, liquid (CNSL) based impregnating varnish.

The 8th August 1988

226/Bom/88. Hiral Mukherjee Non-Freon or Low-Freon Low Pressure High Efficiency Engine/Compressor

227/Bom/88. Prakash Krishna Rainaparkhi. A device for indicating angular displacement or rotation of d.c. brushless motor fan.

228/Bom/88. Mohan Prabhakar Shingonkar. A roller for extracting juice from sugar cane and like

The 16th August 1988

229/Bom/88. Prakash Das Gupta. Sponge iron through porous pellet technology using waste material

The 17th August 1988

230/Bom/88. Tata Research Development and Design Centre. An improved process for the manufacture of hydraulic setting cements from argillaceous material and/or industrial/mining waste economically

231/Bom/88. Tata Research Development and Design Centre. A process for the manufacture of hydraulic setting cement from gold ore tailings sands economically

232/Bom/88. Jimmy Sorab Caneenwalla. An improved seal

The 18th August 1988

233/Bom/88. Hindustan Lever Limited. Cosmetic composition

234/Bom/88. Ghatge Patil Industries Ltd. Reverse Reduction Gear Box For Marine Engine.

The 19th August 1988

235/Bom/88. श्री नरेश फिल्म्स

236/Bom/88. Hindustan Lever Limited. Toothpastes 12th Aug 1987, Great Britain

237/Bom/88. Hindustan Lever Limited. Toothpastes 12th Aug 1987, Great Britain

238/Bom/88. Hindustan Lever Limited. Toothpastes 12th Aug 1987, Great Britain

The 22nd August 1988

239/Bom/88. Satya Piplash Verma. A pollution free prime mover where the force of gravitational pull aided by the magnetic force, provides the motive power

The 23rd August 1988

240/Bom/88. Giridhari Balaram Radhakrishnan. A portable ultrasonic hardness tester

241/Bom/88. Kumar Balaram Bhatia. An improved pencil type, non-fretrods coating thickness tester.

242/Bom/88. Madhusan Hiralal Desai. An improved detachable scythe/sickle

The 24th August 1988

243/Bom/88. Vinay Kumar Sheshan. An improved ratchet device attached with a handle of a screw gauge with and the like

244/Bom/88. Jade Hanuman Sudam. Engine with without fuel

The 25th August 1988

245/Bom/88. Channabasappa Basalingappa Ganti. New generation HTHP beam dyeing machine partially flooded

246/Bom/88. Eco Tec Limited. Process for electroplating metals and an apparatus therefor

247/Bom/88. Narayan Narasinha Desai. A pump having shredding means at the inlet

The 30th August 1988

248/Bom/88. Indian Petrochemicals Corporation Limited. A process for the production of allylene and oxylene by the catalytic isomerisation of alkyl aromatic hydrocarbons

The 31st August 1988

249/Bom/88. Octanorm Vertriebs GmbH für Bauelemente. Assembly kit for framework structures

250/Bom/88. Sivaram Shaijirao Kulkarni. Automatic gate for maintaining constant upstream water level in reservoirs waterstreams, canals and the like.

## ALTERATION OF DATE

163700. Ante, dated to 16th February, 1984  
(380/Cat/87)

163709. Ante dated to 3rd May, 1983.  
(271/Cat/86)

## PATENTS SEALED

148125	157236	160932	161012	161015	161125	161283
161284	161343	161500	161508	161521	161522	161523
161524	161525	161528	161544	161546	161548	161549
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161780	181791	161792	161797	161801	161803	161815
161816	161818	161819	161820	161823	161855	161857
161920	161921	162049				

AMENDMENT PROCEEDINGS UNDER SECTION 57  
OF THE PATENTS ACT, 1970

(1)

The amendment proposed by Messrs Contraves AG, of Patent Application No. 160894 as advertised in Part III, Section 2, of the Gazette of India, dated the 19th December, 1987, have been allowed

(2)

The amendments proposed by M/s Girraj Corporation, 107, Churchgate Chambers, New Marine Lines Road, Bombay 400020 in respect of Patent application for Patent No 160808 as advertised in the Part III, Section 2 of the Gazette of India dated 28th May, 1988 have been allowed.

(3)

The amendments proposed by BBC BROWN BOVERI & COMPANY LIMITED, of Patent Application No 161537 as advertised in Part III, Section 2, of the Gazette of India, dated the 28th May, 1988, have been allowed

(4)

The amendments proposed by Messrs The British Petroleum Company P L C, in respect of Patent Application No 160790 as advertised in Part III, Section 2, of the Gazette of India, dated the 19th December, 1987, have been allowed

(5)

The amendments proposed by Messrs Mississippi Chemical Corporation, in respect of Patent Application No 160191 as advertised in Part III, Section 2 of the Gazette of India, dated the 9th January, 1988, have been allowed

(6)

The amendments proposed by Messrs Dandy Rolls India Pvt Ltd, in respect of Patent No 149874 as advertised in Part III, Section 2, of the Gazette of India, dated the 17th December, 1983, have been allowed

(7)

The amendments proposed by BHC Brown Boveri & Company Limited, in respect of Patent Application No 161865 and advertised in Part III, Section 2, of the Gazette of India, dated the 28th May, 1988, have been allowed

(8)

Notice is hereby given that Union Oil Company of California, a Corporation of the State of California, of 461, South Boylston Street, Los Angeles, California 90017, U.S.A., have made an Application under Section 57 of the Patents Act, 1970, for amendment of the specification of their Application for Patent No 163042 for 'A METHOD FOR MANUFACTURING A THERMICAL COMPOSITION'. The amendments are by way of correction. The Applications for amendments can be inspected free of charge at the Patent Office, 61, Wallajah Road, Madras-600 002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the Application for amendment may file a Notice of Opposition on prescribed form-30 within 3 months from the date of the Notification at the Patent Office, Madras. If the Written Statement of Opposition is not filed within the Notice of Opposition, it shall be left within one month from the date of filing the said Notice.

(9)

Notice is hereby given that DEUTSCHL FENACO AG., a German Company, of Überseering 40, 2000 Hamburg 60, Federal Republic of Germany, have made an Application under Section 57 of the Patents Act, 1970, for an amendment of specification of their Application for Patent No 162693 for 'A PROCESS FOR PRODUCING A LOWER ALIPHATIC ALCOHOL'. The Amendments are by way of correction. The Application for amendments and the proposed amendments can be inspected free of charge at the Patent Office, 61, Wallajah Road, Madras 600 002 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the Application for amendment may file a Notice of Opposition on prescribed Form-30 within 3 months from the date of this Notification at the Patent Office, Madras. If the Written Statement of Opposition is not filed within the Notice of Opposition, it shall be left within one month from the date of filing of the said Notice.

(10)

Notice is hereby given that the Maschinenfabrik Kötter AG, a body corporate organised under laws of Switzerland, of 1 All 8400, Winterthur, Switzerland have made an Application under Section 57 of the Patents Act, 1970, for amendment of their Application for Patent No 162973 for 'A BINDING MACHINE FOR FORMING CYLINDRICAL PACKAGES'. The amendments are by way of correction. The Application for amendments and the proposed amendment can be inspected free of charge at the Patent Office, Madras-600 002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the Application for amendment may file a Notice of Opposition on prescribed Form-30 within 3 months from the date of this Notification at the Patent Office, Madras. If the Written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing of the said Notice.

## RENEWAL FEES PAID

141856	142759	143376	143641	144768	145951	146281
146659	146890	146898	146899	146911	147297	147471
147559	147686	147808	147952	148126	148170	148171
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152357	152530	152542	152713	152719	152825	152921
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157262	157388	157795	158117	158119	158246	158262
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159333	159339	159340	159343	159358	159362	159365
159366	159371	159395	159416	159417	159418	159449
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159862	159937	159968	159982	160990	161173	161381
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## CESSATION OF PATENTS

1431661	143662	143664	143667	143669	143672	164674
143675	143679	143684	143685	143686	143687	143688
143689	143690	143692	143694	143694	143696	143697
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143761	143763	143769	143771	143772	143773	143774
143775	143776	143777	143778	143779	143782	143786
143794	143795	143796	143797	143799	143801	143803
143806	143809	143811	143813	143814	143816	143817
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143851	143853	143854	143856	143859	143861	143862
143863	143865					

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. No. 159881. GEC Plessey Telecommunications Limited, of P. O. Box 53, Telephone Road, Coventry, CV3 1 HJ, England, a British Company. "a Cash Pay Phone". 28th June, 1988.

Class 1. No. 159882. GEC Plessey Telecommunications Limited, of P. O. Box 53, Telephone Road, Coventry CV3 1 HJ, England, a British Company. "a Debit pay phone". 28th June, 1988.

Class 1. No. 159883. GEC Plessey Telecommunications Coventry CV3 1 HJ, England, a British Company, of P. O. Box 53, Telephone Road, "a pay phone with cash and credit facilities". 28th June, 1988.

Class 1. No. 159884. GEC Plessey Telecommunications Limited, of P. O. Box 53, Telephone Road, Coventry CV3 1 HJ, England, a British Company. "a pay phone without coin box". 28th June, 1988.

Class 1. No. 159885. GEC Plessey Telecommunications Limited, of P. O. Box 53, Telephone Road, Coventry CV3 1 HJ, England, a British Company. "a Multi-Payment pay Phone". 28th June, 1988.

Class 3. No. 159445. Schwan Stabilo Schwanhauser Gmbh & Co., of Maxfeldstrasse, D-8500 Nürnberg-West Germany, a Company organised and existing under the laws of Federal Republic of Germany. "Ball Point Pen". 1st March, 1988.

Class 3. No. 159520. The Atlantic Oil Co. Pvt. Ltd., 11 Cumac Street, Calcutta-17, West Bengal, India, Indian Company. "Container". 25th March, 1988.

Class 3. No. 159778. Inalsa Private Limited, An Indian Company, Surya Kiran, 19-Kasturba Gandhi Marg, New Delhi-110001, India. "Mixer-Cum-Grinder with Liquidiser Attachment". 2nd June, 1988.

Class 3. No. 158789. The Gillette Company, a corporation organised under the laws of the State of Delaware, United States of America, of Prudential Tower Building, Boston, State of Massachusetts, United States of America, manufacturers, "Razor Handle", 10th June, 1988.

Class 3. No. 159791. International Business Corporation, a Corporation organised and existing under the laws of the State of New York, United States of America, of Armonk, New York 10504, United States of America. "a Display device for electronic apparatus". Reciprocity date is 16th February, 1988 (U. K.).

Class 3. No. 159832. Geep Industrial Syndicate Limited, (formerly known as Geep Flashlight Industries Limited) Manufacturers, of 28, South Road, Allahabad, U. P. India, an Indian Company. "a Washer for Dry Cell Battery". 16th June, 1988.

Class 4. Nos. 159803 to 159807. Kirit Sheth, Indian National, of 44 Mint Road, Fort, Bombay-400 001, State of Maharashtra, India. "Bottle" 14th June, 1988.

Class 10. No. 159877. Narendra Kumar Jain (Indian) trading as Enn Enterprises, 20, Industrial Estate, Nunhai, Agra-6 (U.P.). (India). "Sole for Footwear". 23rd June, 1988.

Class 10. No. 159878. Sunheri Lal Garg (Indian) trading as Auto Life Pistons, C-46, Foundry Nagar, Hathras Road, Agra-6 (U.P.) (India). "Sole for Footwear". 23rd June, 1988.

*Extn. of Copyright for the Second period of five years.*

Nos. 153895, 152394, 152817, 152818, 156898, 152819, 153679, 152965, 154753, 154754. Class-1.

Nos. 151270, 152390, 152395, 153287, 157342, 157159, 154834, 154833. Class-3.

Nos. 153240, 153241, 153184, 153183, 153186, 153185, 153187, 153134, 153130, 153132, 153136, 153138, 153623. Class-4.

*Extn. of Copyright for the Third period of five years.*

Nos. 154753, 154754, 147454, 156898. Class-1.

Nos. 154834, 154833, 147695, 157342, 157159. Class-3.

Nos. 147789, 153623. Class-4.

## COMPLETE SPECIFICATION ACCEPTED

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"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

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CLASS : 69-I &amp; P.

163661

Int. Cl. : H 02 b 1/00.

fatty acid chain and from 5 to 15 parts by weight of an olefinic polymer having at least four carbon atoms.

Compl. specn. 14 pages.

Drgs. Nil

## AN IMPROVED SWITCHING MECHANISM.

Applicants : (1) THE GENERAL ELECTRIC CO. OF INDIA LTD., 6, CHITTARANJAN AVENUE, CALCUTTA-700072; (2) SAMA NAIDU PALANISWAMY, MANAGING DIRECTOR, BLUEMOUNT SWITCHGEARS ASSOCIATES (P) LTD., 149, PATEL ROAD, COIMBATORE-641009, TAMIL NADU, INDIA.

Inventor : SAMA NAIDU PALANISWAMY.

Application No. 521/Cal/84 filed July 20, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims

An improved switching mechanism comprising a body frame on which is rotatably mounted an operating shaft supported at each end thereof and connected to a handle, through an arm such that the rotatory motion of the handle, for operating the switch is transferred into a rotatory motion of the shaft, a compression member which is linearly movable by the rotation of said handle through a linkage with said shaft to energise a plurality of springs, said operating shaft being connected also to a rotatable cam adapted to bear against a plurality of sliding bars, levers and linkages in such a way that the rotation of the shaft caused by the release of the compressed springs leads to rotation of the cam which then actuates the up and down movement of the contact elements of the switch through a plurality of said slide bars, levers and linkages, said switching mechanism being modular, compact and fast acting.

Compl. specn. 9 pages.

Drgs. 2 sheets

CLASS : 140-A<sub>1</sub>, 2.

163662

Int. Cl. : B 22 c 3/00+C 10 g 41/00 C 10 m 1/00.

## AN IMPROVED CUTTING FLUIDS FOR THE PRECISION CUTTING OF NON-FERROUS METALS AND PROCESS FOR THE PREPARATION THEREOF.

Applicant : INDIAN ALUMINIUM COMPANY LIMITED, OF 1 MIDDLETON STREET CALCUTTA-700071, WEST BENGAL, INDIA.

Inventors : 1. DEB KUMAR TAPADAR, 2. SUKHADEO BABA SARGAR.

Application No. 533/Cal/84 filed July 26, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

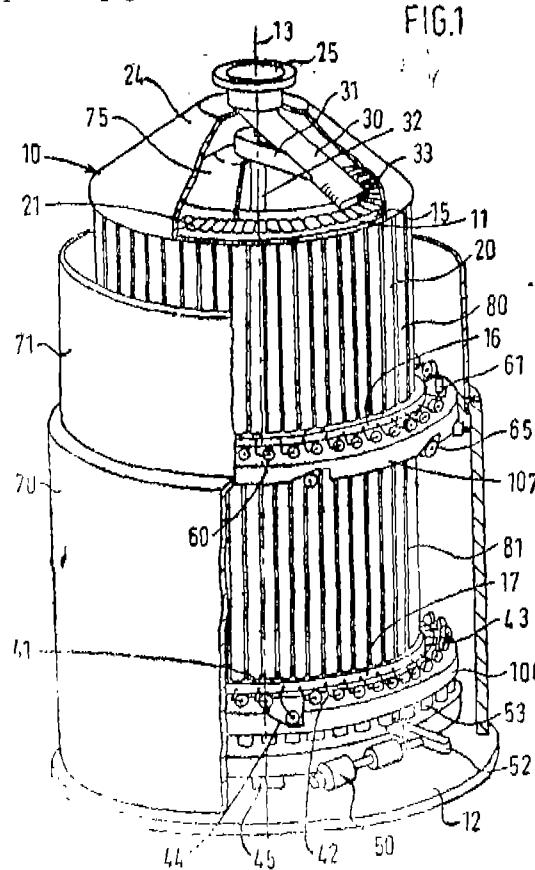
## 13 Claims

An improved cutting fluid for the precision cutting of non-ferrous metals which comprising from 60 to 80 parts by weight of a refined sulphur-free petroleum fraction, from 20 to 30 parts by weight of a fatty acid ester having more than three carbon atoms in the alkyl group attached to the

fatty acid chain and from 5 to 15 parts by weight of an olefinic polymer having at least four carbon atoms.

Compl. specn. 14 pages.

Drgs. Nil



CLASS : 127-I.

163664

CLASS 39-I.

163665

Int. Cl. : D 07 b 1/00; F 16 h 7/08.

METHOD OF FORMING FLEXIBLE TENSION MEMBERS AND FLEXIBLE TENSION MEMBER THEREBY FORMED.

Applicant : BRIDON PLC., OF WARMSWORTH HALL, DONCASTER, DN4 8JX, ENGLAND.

Inventors : 1. PHILIP CHRISTIAN, 2. JOHN MAWSON WALTON.

Application No. 870/Cal/84 filed December 17, 1984.

Convention date : 20th December, 1983 (83 33845) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A method of forming a flexible tension member primarily for use in structural applications comprising bundling twenty or more high strength rods helically about a common axis with a lay length of between twenty and one hundred and fifty times the diameter of the circle circumscribing the total cross-section of the bundle, the rods immediately before introduction into the bundle being free from any curvature that will result in residual slackness in the bundle and being introduced without flexural stresses significantly exceeding the yield point of the rod material.

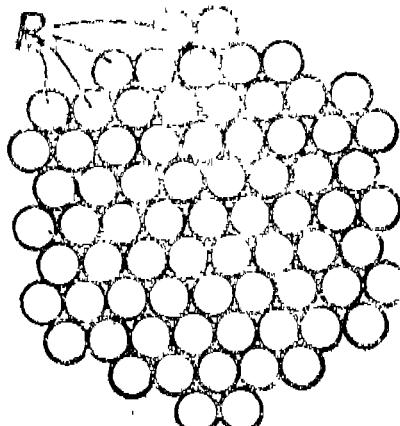


Fig. 1

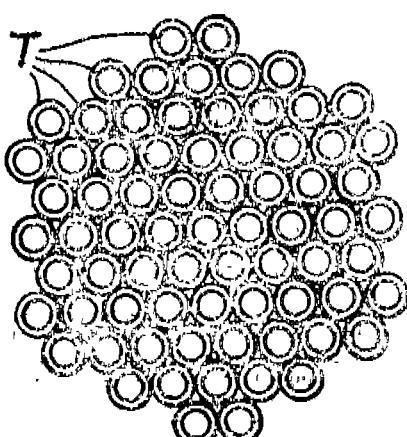


Fig. 2

Compl. specn. 15 pages.

Drg. 1 sheet

Int. Cl. : C 01 b 21/48; C 05 c 1/00.

PROCESS FOR PRODUCING NITRATES OF FORMULA  $RNO_3$  WHERE R STANDS FOR HYDROGEN AND ALKALY METAL OR AN ALKALINE EARTH METAL FROM CORRESPONDING CHLORIDES USING NITRIC ACID.

Applicant & Inventors : (1) PRABHU DAYAL BHATTACHARYA, 11, BAMPANPARA LANE, CALCUTTA-700019, WEST BENGAL, INDIA, (2) ATTUI, KUMAR SANYAL, 54, STARKY TOWER, NAGPUR-1, MAHARASHTRA, INDIA.

Application No. 233/Cal/85 filed March 28, 1985.

Complete Specn. left on 26th June, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

An improved process for producing nitrates of formula  $RNO_3$  where R stands for hydrogen and alkali metal or an alkaline earth metal which comprises subjecting the corresponding halide preferably chloride of formula  $RC_1$  where R is as defined before to reactor at temperatures of around 100°C with nitric acid of at least 4N strength wherein the said improvement comprises in carrying out said reaction in the presence of nitrogen and oxygen.

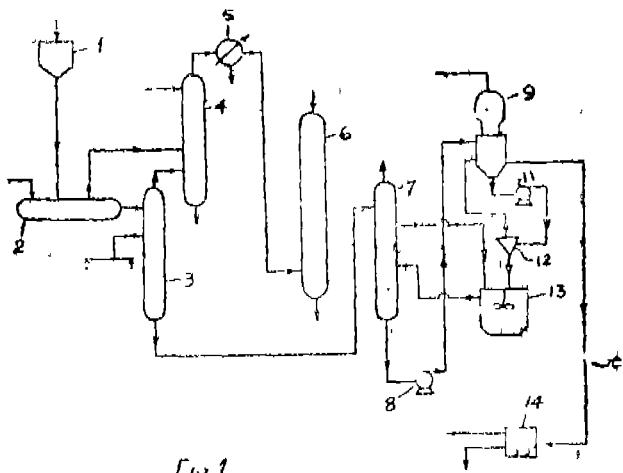


Fig. 1

Prvisional Specn. 11 pages.

Compl. specn. 8 pages.

Drg. 1 sheet

Drg. Nil

CLASS : 83-A1.

163666

Int. Cl. : A 21 d 13/08.

PROCESS FOR MAKING CRACKERS CONTAINING SUNFLOWER SEEDS.

Applicant : NABISCO BRANDS INC, AT NABISCO BRANDS PLAZA, PARISIPPANY, NEW JERSEY 07054, UNITED STATES OF AMERICA.

Inventors : 1. RICHARD DOMINICK FAZZOLARE, 2. RUDOLF WINDMUL LFR.

Application No. 370/Cal/85 filed May 15, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.



having a longitudinal slot the bearing bore being adjustable by changing the width of the slot by an adjustment means.

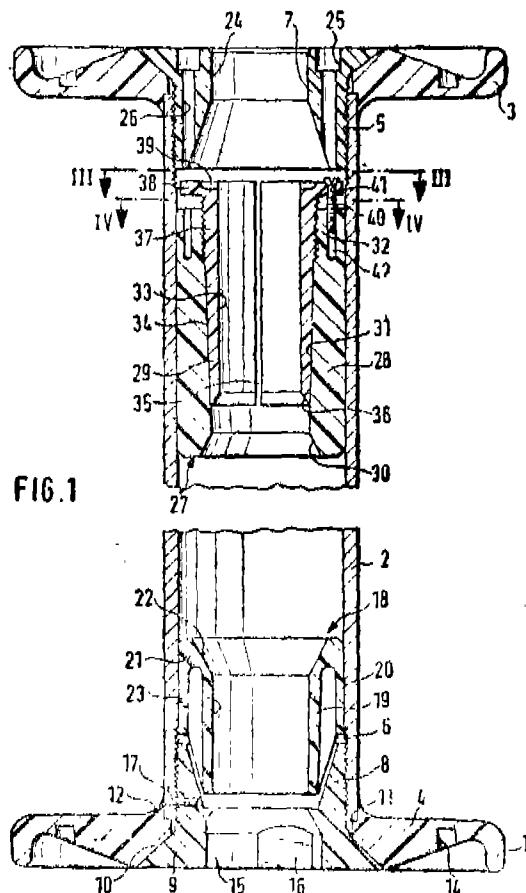


FIG. 1

Compl. specn. 12 pages.

Drgs. 2 sheets

CLASS : 206-F

163669

Int. Cl. : H 04 I 5. 00

## MICROPROGRAM LOAD UNIT.

Applicant : HITACHI LTD., OF 6, KANDA SURUGADAI 4-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. TADASHI OKAMOTO, 2. HIROMASA YAMAKA, 3. KAZUHIKO SHIMAYAMA.

Application No. 605/Cal/85 filed August 20, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims

A microprogram load unit comprising :

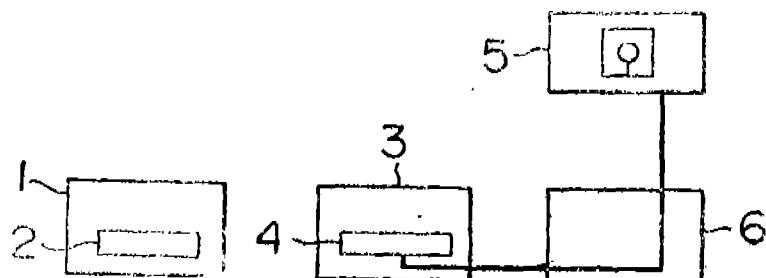
a readable and writable microprogram memory for storing

microprogram, said microprogram memory being included in a central processor unit;

a relatively low speed, readable and writable, monvolatile memory unit;

a readable and writable memory with battery backup; means for detecting data loss of said readable and writable memory with battery backup; and

a program transfer unit for determining whether data of said readable and writable memory with battery backup has been lost when power is turned on, for reading microprogram from said readable and writable memory with battery backup in the case of absence of data loss and writing it into said microprogram memory, and for reading microprogram from said monvolatile memory unit in the case of presence of data loss and writing it into said microprogram memory.



Compl. Specn. 17 Pages.

Drgs. 3 Sheets.

Int. Cl. A 01 n 25/00 to 65/00

163670

## PROCESS OF STERILIZING.

Applicant : SURGIKOS, INC. 2500 ARBROOK BOULEVARD P.O. BOX 130 ARLINGTON, TEXAS, UNITED STATES OF AMERICA.

Inventors : 1. PAUL TAYLOR JACOBS, 2. SZU-MIN LIN.

Application No. 442/Cal/86 filed June 13, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims

A process of sterilizing comprising the steps of :

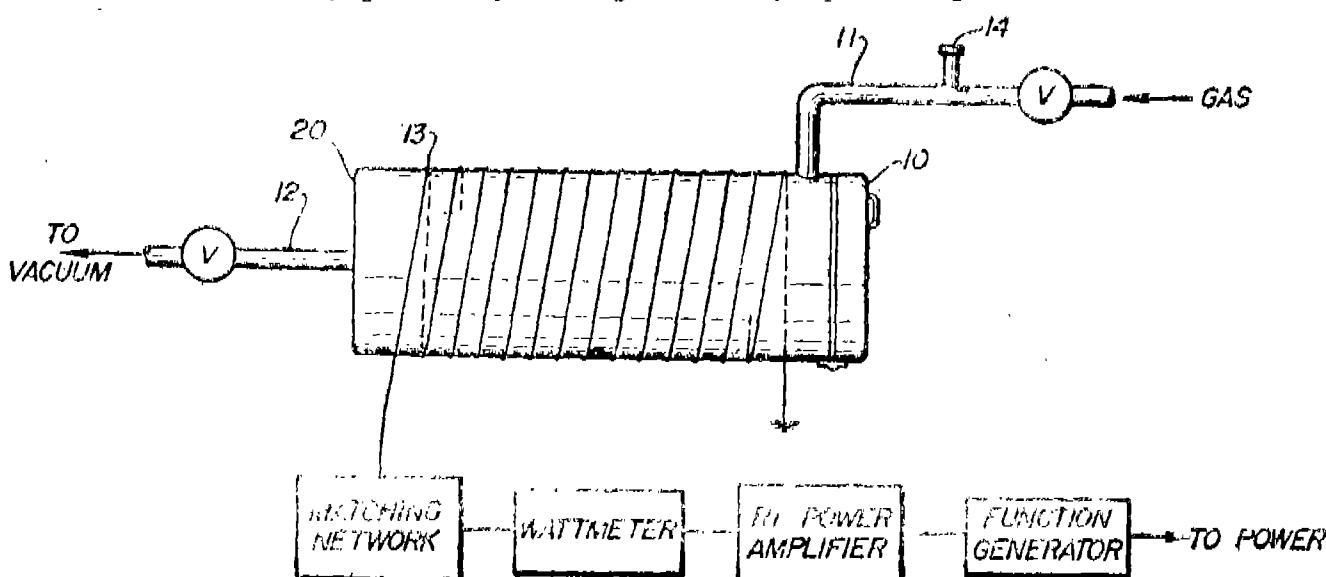
placing the item to be sterilized in a chamber, injecting the aqueous solution of hydrogen peroxide into said chamber to raise the pressure in the chamber to a level of 0.1 to 10 Torr and allow hydrogen peroxide vapor to come in close proximity with the item; for a period of 5 to 30 minutes;

generating a plasma around the item by a method such as herein described and;

maintaining the item in said plasma for a period of from 5 to 50 minutes to effect sterilization.

Compl. Specn. 23 Pages.

Drg. 1 Sheet



Int. Class<sup>4</sup> : A61K 7/16

163671

DENTAL COMPOSITION OR TOOTHPASTE.

Applicant : COLGATE-PALMOLIVE COMPANY.

Inventor : KENNETH HARVEY and HARRY HAYES.

Application for Patent No. 484/Dek 81 filed on 30th July, 1981.

Convention date 19th August, 1980/8026943/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

9 Claims

A dental composition or toothpaste comprising an aqueous liquid carrier comprising sorbitol and, proportioned therewith to provide a creamy or gel consistency, a gelling agent composition consisting essentially of xanthan and guar gum, the weight ratio of xanthan to guar gum being at least 1:3.

Complete Specification 19 Pages.

Int. Class<sup>1</sup> : C07C 23/04

163672

A PROCESS FOR THE PREPARATION OF CYCLO-PROPANE DERIVATIVES.

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., a Netherlands Company of Carel Van Bylandtlaan 30, The Hague, The Netherlands.

Inventor : PETRUS ANTHONIUS KRAMER.

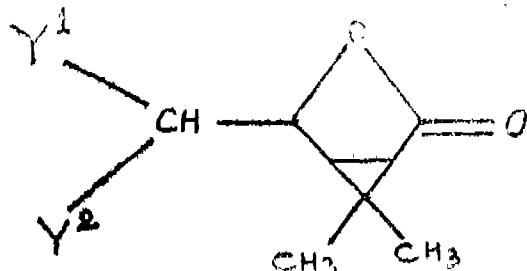
Application for Patent No. 681/Del/81 filed on 20th October, 1981.

Convention date October 22, 1980/No. 8034067/(U.K.).

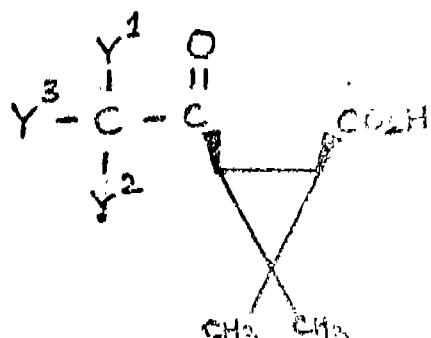
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

5 Claims

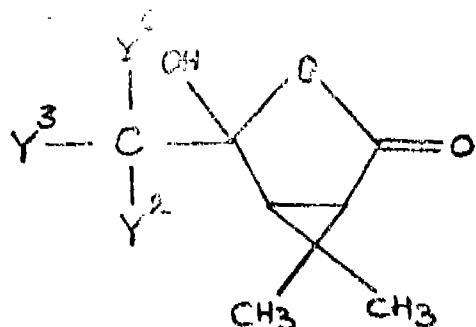
A process for the preparation of a compound of the general Formula I.



shown in the accompanying drawings in which each of Y<sub>1</sub> and Y<sub>2</sub> independently represents a fluorine, chlorine or bromine atom, which comprises reducing *cis* keto acid of the general formula IIa



or its lactol tautomer IIb



in which Y<sub>1</sub> and Y<sub>2</sub> have the meanings given for the general formula I and Y<sub>3</sub> represents a chlorine or bromine atom, using a selective metal salt reducing agent of one of the general formulae M.BH<sub>n</sub>-(OR)<sub>4-n</sub> Al(OR)<sub>3</sub>-M.AlHm(OR)<sub>4-m</sub>M<sub>2</sub>S<sub>2</sub>O<sub>4</sub> in which M represents an alkali metal, R represents an alkyl group having 1 to 4 carb on atoms, n represents an integer 1 to 4, and m represents an integer 1 to 3.

Compl. Specn. 10 pages.

Draws. 2 sheets.

Int. Class<sup>1</sup> : C07D 335/02

163673

METHOD OF MAKING 2, 3-DIHYDRO-1, 4-DITHIIN.

Applicant : UNIROYAL LIMITED, a corporation organised under the law of Canada, located at 1500 Don Mills Road, Don Mills, Ontario M3B 3L4, Canada.

Inventor : ALLAN KOW SING TSAI, DUNCAN DOUGLAS LENNOX &amp; ARTHUR DAVID BREWER.

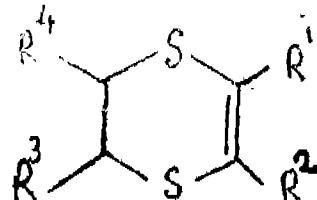
Application for Patent No. 745/Dek 81 filed on 26th November, 1981.

Convention date December 2, 1980/365, 995/Canada.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

10 Claims

A method of making a 2, 3-dihydro-1, 4-dithiin of the general formula I of the drawings



wherein :

R<sub>1</sub> and R<sub>2</sub> are selected from hydrogen or the same or different alkyl groups having from 1 to 6 carbon atoms, or are joined together to form a ring with 3 or 4 methylene groups;

R<sub>3</sub> and R<sub>4</sub> are selected from hydrogen or the same or different alkyl groups having from 1 to 10 carbon atoms, which alkyl groups may be substituted themselves with lower alkoxy groups such as herein described, comprising bringing together a 1, 2-dithiol of the formula

HSCHR<sup>1</sup>CHR<sup>2</sup>SH

and an alpha-hydroxyketone of the formula

R<sup>5</sup>CHOHCOR<sup>6</sup>

wherein R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and R<sub>4</sub> are as above defined, whereby water is evolved and a dihydrotithiin of the said formula is produced.

Complete Specification 13 Pages.

Drawing 2 Sheets.

Int. Cl.<sup>1</sup> : H01M 1/02.

163674

## GALVANIC CELL.

Applicant : UNION CARBIDE CORPORATION, Manufacturers, organised and existing under the laws of the State of New York, United States of America; with offices at Old Ridgebury Road, Danbury, State of Connecticut, 06817, U.S.A.

Inv. lbr : HARRY ROLAND HUHNDORFF.

Application for Patent No. 431/Del/83 filed on 27th June, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

## 4 Claims

A galvanic cell comprising a container having a closed and, an upstanding wall and an open end defined by said upstanding wall an anode, an active cathode and an electrolyte solution within said container, a diaphragm/gasket member comprising a flexible diaphragm base terminating with a peripheral gasket section, said diaphragm/gasket member positioned within the open end of the container and above said anode and said cathode with the gasket section adjacent the inner surface of the upstanding wall of the container at the open end a cover comprising a base terminating with a peripheral edge, said cover being positioned over the diaphragm base of the diaphragm/gasket member and secured to the open end of the container with the gasket section of the diaphragm/gasket member secured between the peripheral edge of the cover and the inner surface of the upstanding wall at the open end of the container the improvement wherein the cover comprises at least one opening having at least two spaced apart cooperating teeth extending from the edge of said opening and the said teeth are bent inwardly towards the diaphragm/gasket member and said diaphragm base being flexible and expandable and positioned in cooperative relation to said teeth so that upon a predetermined level of an internal gas pressure build-up within the cell, the diaphragm base will expand and be forced against the teeth whereupon the teeth will secure and then puncture the diaphragm base to form a vent for the cell.

Complete Specification 26 Pages.

Drawing 5 Sheets.

Int. Class<sup>1</sup> : H01L 21/20

163675

METHOD OF DEPOSITING A THIN, LIGHT TRANSMISSIVE, ELECTRICALLY CONDUCTIVE FILM ONTO A SUBSTRATE.

Applicant : ENERGY CONVERSION DEVICES, INC., a Delaware corporation having a place of business at 1675 West Maple Road, Troy, Michigan, 48084, U.S.A.

Inventor : PREM NATH.

Application for Patent No. 801/Del/83 filed on 30th November, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

## 9 Claims

An improved method of depositing a thin, light transmissive, electrically conductive film onto a substrate, said method comprising the steps of : evaporating a metal in an evacuated deposition chamber to produce a metal vapor in a region formed between an electrically conducting substrate disposed in said chamber and the source of the metal; introducing oxygen gas into the region; energizing a cathode disposed adjacent the source of the metal with radio frequency energy to produce an ionized plasma of oxygen gas atoms and evaporated metal atoms in the region to deposit a metal oxide film on the substrate.

Complete Specification 26 Pages.

Drawing 3 Sheets.

CLASS : 83 A<sub>1</sub> & 77B<sub>2</sub>.

163676

Int. Class : A23g 1/00 &amp; C11c 1/00

A PROCESS FOR THE PREPARATION OF COCOA-BUTTER EXTENDER FROM MADHUCA BUTYRACEA FAT SUITABLE FOR USE IN THE MANUFACTURE OF CHOCOLATE AND OTHER CONFECTIONERY PRODUCTS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-110 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventors : SUNKI REDDY YELLA REDDY &amp; JAMBUR VENKATESHIAH PRABHAKAR.

Application for Patent No. 136/Del/85 filed on 19th February, 1985.

Complete Specification left on 5th February, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

## 4 Claims

A process for the preparation of Cocoa butter extender from Madhuca butyrasea fat, suitable for use in the manufacture of Chocolate and other Confectionary products comprises dissolving the fat in acetone at about 45°C. Cooling the solution gradually with stirring to a temperature between 23° to 25°C maintaining the solution at this temperature for a period of 3 to 5 hours, filtering the solution to remove the partially crystallised solid fraction, cooling the filtrate to a temperature between 14° to 16°C and maintaining the filtrate at this temperature for a period of 2 to 4 hours, filtering to remove the olefin fractions and the filtrate is desolventised under vacuum.

Provisional Specification 3 Pages. Complete Specification 7 Pages.

CLASS :

163677

Int. Cl.<sup>1</sup> : C23g 1/06.

"A PROCESS FOR THE REMOVAL OF TARNISHED FILM FROM THE SURFACE OF ARTICLES OF SILVER, COPPER AND THEIR RESPECTIVE ALLOYS."

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (XXI OF 1860).

Inventors : DEVENDRA DED NARAIN SINGH, &amp; MIHIR KUMAR BANERJEE.

Application for Patent No. 402/Del/85 filed on 15th May, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

## 5 Claims

A process for the removal of tarnished film from the surface of articles of silver, copper and their respective alloys comprising cleaning by degreasing the article and dipping/swabbing the article in a solution containing an organic sulfur compound (A) selected from substituted ethanols, thioscarbamides and substituted thiocarbamides and an another organic compound (B) having a carboxylic group attached to a heterocyclic ring selected from pyridic acid, furoic acid and pyridionic acid in water at room temperature, the amount of the compounds A & B ranges from 5 gms. to 200 gms. and 2—25 gms. per litre respectively, at a pH maintained between 2-12 by addition of acids or alkalies, washing the article with clean water and drying.

Compl. Specn. 8 pages.

CLASS : 163678  
Int. Cl. : B32B 15/08, 15/14.

"A PROCESS FOR THE MANUFACTURE OF FUEL TANK".

Applicant : THE CHIEF CONTROLLER, RESEARCH & DEVELOPMENT, MINISTRY OF DEFENCE, GOVERNMENT OF INDIA, NEW DELHI, INDIA, AN INDIAN NATIONAL.

Inventors : PULIAT MUKUNDAN MENON, SURESH KUMAR DEWAN & SHASHIBHUSHAN SINGH.

Application for Patent No. 409/Del/85 filed on 15th May, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

2 Claims

A process for the manufacture of a fuel tank for use in vehicles which comprises in applying a coating of gelcoat on a mould, allowing the gelcoat to cure, applying further coating of the gelcoat and such that the cured gelcoat has a thickness of 2 to 4 mm, applying a plurality of alternate layers of chopped glass mat and a resin such as unsaturated polyester resin and of which the exposed layer is that of resin, allowing such resin layers to cure to form said fuel tank.

Compl. Specn. 6 pages.

at least one collector device for collecting said denser portion and

reinjection means for reinjecting a part of said denser portion into the mixtures to be separated or being separated;

wherein the reinjection means comprise at least one extractor duct connecting the collector device and the central core downstream from the unswirler device, and reinjection channels made in the central core downstream from the swirler device.

Compl. Specn. 8 pages.

Drgs. 4 sheets.

CLASS : 163679  
Int. Cl. : B01D, 21/26, 45/12, B04B, 5/00.

"A CENTRIFUGING MIXTURE SEPARATOR."

Applicant : STAIN INDUSTRIE, A FRENCH COMPANY, OF 19-21, AVENUE MORANI, SAULNIER, 78140 VELIZY-VILLACOUBLAY, FRANCE, AND L'ELECTRICITE DE FRANCE, A FRENCH GOVERNMENT COMPANY, OF 2, RUE LOUIS MURAT, 75008 PARIS, FRANCE.

Inventors : JEAN-PIERRE CERDAN, ERIC DUEYMES, PATRICK TALLEU, JEAN CARNEL, GERARD, PALACIO, & MARC FRANZOLINI.

Application for Patent No. 432/Del/85 filed on 29th May, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

A separator for separating a mixture of a vapour (or as gas, or a liquid) and of a liquid (or a solid) by centrifuging the mixture inside a chamber which encloses at least one cell constituted by :

a central core;

at least one circulation tube;

a swirler device for imparting swirling flow to the mixture at the inlet to the, or each, circulation tube;

a collector tube for collecting a less dense portion of the initial mixture, said collector tube being installed at the outlet from the, or each, circulation tube and optionally being provided with an unswirler device for unswirling the flow;

at least one extractor device for extracting a denser portion of said mixture;

CLASS : 163680

Int. Cl. : B23B 27/00.

CUTTING-OFF TOOL FOR METAL WORKING.

Applicant & Inventor : GENNADY YAKOVLEVICH POTEKIN, OF OREKHOVY PROEZD, 19, KV. 19, MOSCOW, U.S.S.R., A CITIZEN OF U.S.S.R.

Application for Patent No. 468/Del/85 filed on 12th June, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

3 Claims

A cutting-off tool for metal working comprising a holder and a disk cutter member with recesses provided on one of its end faces, said holder and cutter member being interconnected by means of bushings, each of which has a projection made on one of its end faces and received in the respective one of the recesses provided on the end face of the cutter member, and wedge-and-screw mechanisms each of which is positioned in the respective bushing and interacts by the sloping surface of its wedge with the peripheral surface of the cutter member, wherein each bushing is provided with a longitudinal groove leading out to the projection-bearing end face.

Compl. Specn. 7 pages.

Drg. 1 sheet.

CLASS : 39 L  
Int. Cl. : C 01 g-23/00.

AN IMPROVED PROCESS FOR THE MANUFACTURE OF TITANIUM DIOXIDE FROM ALUM MUD WASTE.

Applicant & Inventor : INDUBHAI HEMCHAND PAREKH C/o. THE GWALIOR RAYON SILK MFG. (WVG.) CO. LTD. BIRLAGRAM-456 331, NAGDA (M. P.) INDIA, AN INDIAN NATIONAL.

Application No. 212/Bom/1985 filed on August 12, 1985.

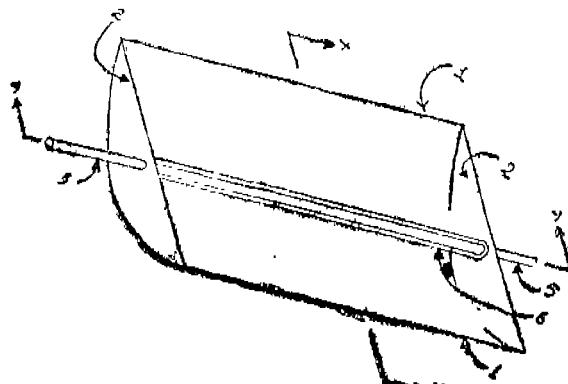
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-400 013.

4 Claims

An improved process for the manufacture of titanium dioxide from alum mud waste which comprises subjecting the said alum mud waste to pulverisation to obtain particles of which at least 60% pass through 200 mesh British Standard sieve, followed by digesting the pulverised mud with 90% strength sulfuric acid at temperatures in the region of 170 to 220°C., maintaining a sulfuric acid to



heat receiving arrangement such as herein designated at the point focus or line-focus situated inside the isolated insulated space.



Compl. Specn. 6 pages.

Drg. 1 sheet.

CLASS : 66 D 7 + 11.

163685

Int. Cl. : H 01 K 3/00 + B 25 g-3/10.

**A BULB REPLACEMENT DEVICE.**

Applicant & Inventor : MR. ARVIND HARJIVAN DAS MISTRY, 12 SHYAM KUNJ SOCIETY, BEHIND VASILIA CINEMA, NADIAD-387 001, GUJARAT, INDIA, AN INDIAN NATIONAL.

Application No. 311/Bom/1985 filed on November 15, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-400 013.

**6 Claims**

A bulb replacement device comprising at least a first elongate member and second elongate member coupled to each other, each of said members having a coaxial retractable tubes which are coupled to each other a handle member fixed to the proximal end of said first elongate member, in which retractable tube is spring loaded, a fixed inner tube disposed coaxially within said retractable tubes, said fixed tube having a support plate at upper end for pivotally supporting at least a pair of jaws being capable of having brought together or moved away from each other by said retractable tubes.

Compl. Specn. 10 pages.

Drg. 1 sheet.

CLASS : 61 E + I.

163686

Int. Cl. : B 01 d-53/26.

**IMPROVEMENTS IN OR RELATING TO CHEMICAL DEHUMIDIFIER.**

Applicant & Inventor : MAHARAJ KRISHEN MEHTA, 23 MAISON BPLVFDERE, 107, M. KARVE ROAD, BOMBAY-400 020, MAHARASHTRA, INDIA.

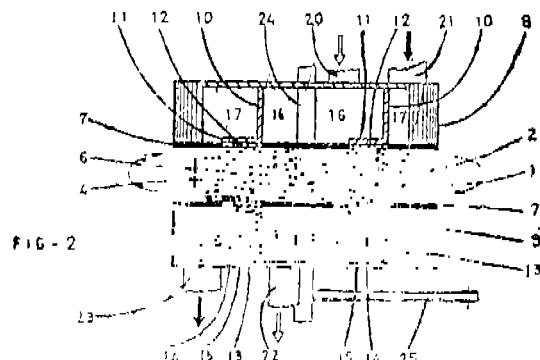
Application No. 327/Bom/1985 filed on 9th December, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-400 013.

**4 Claims**

A chemical dehumidifier having a drum or bed rotating in the horizontal plane with perforated upper and lower surfaces, wherein said drum or bed comprises upper and lower stationary chambers, dividing baffles in stationary enclosed chambers above and below the said rotating drum,

dividing each of the upper and lower stationary chambers into reactivation section and dehumidification section; two separate streams of air, i.e. preheated atmospheric reactivating air and wet process air being drawn through respective sections of the said rotating drum; characterised in that the said rotating drum is partitioned into a plurality of adjoining wedge shaped sections or segments formed by means of radial partition plates, each said segment filled with a chemical desiccant in granular form, the said baffles in each of the said stationary enclosed chambers above and below the rotating drum provided with horizontal lips at the line of contact between the said baffles and the perforated plates forming the upper and lower surfaces of the rotating drum, the said horizontal lips in combination with partitioning of said drum prevent infiltration of two streams of air from the said dehumidification sections to the reactivation sections and/or vice versa.



Compl. Specn. 9 pages.

Drg. 1 sheet.

CLASS: 63D, 63E

163687

Int. Cl. : H02k—1/06.

**A BUILT-IN COOLING FINS TO STATOR OF INDUCTION MOTOR.**

Applicant : JYOTI LIMITED, INDUSTRIAL AREA, P.O. CHEMICAL INDUSTRIES, BARODA-390 003, GUJARAT STATE, INDIA.

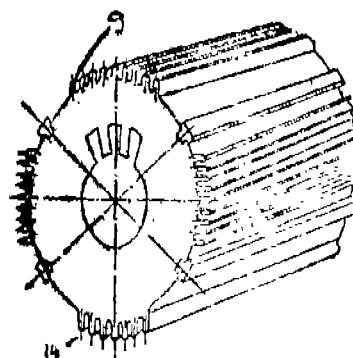
Inventor : TIRUMALE RANGASWAMY MUKUNDAN.

Application No. 329/Bom/1985 filed Dec. 9, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

**2 Claims**

A Built-in cooling fins to stator of induction motor wherein the stator-stack is composed of a plurality of





CLASS : 13D, 76 E

163690

Int. Cl. : A 45 C—13/20.

A SUITCASE WITH FASTENING DEVICE FOR PILFER PROOF FASTENING THEREOF TO A POST, ROD OR PLANK.

Applicant : V.I.P. INDUSTRIES LTD., V.I.P. HOUSE, 88C OLD PRABHADEVI ROAD, BOMBAY-400 025, MAHARASHTRA, INDIA, AN INDIAN COMPANY.

Inventor : SHASHIKANT LAXMAN KULKARNI.

Application No. 296/Bom/1986 filed on 17th October, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-400 013.

4 Claims

A suitcase with fastening device for pilfer-proof fastening thereof to a post, rod or plank, suitcase being of the type comprising :

a bottom portion and an openable top portion, one side of said top portion being hinged to corresponding one side of said bottom portion;

said suitcase further being of the type that when said top portion closed said bottom portion the edge of at least another one side of said top portion externally horizontally protrudes the edge of corresponding another one side of said bottom portion or that the edge of another one side of said top portion is provided with one external horizontal projection or two spaced apart horizontal projections;

said projection or projections projecting the edge of corresponding another one side of said bottom portion when said top portion closes said bottom portion; said device comprising one channel member or two channel members;

said one channel member or each of said two channel channel members comprising a pair of spaced apart flanges and an interconnecting web;

said web being provided with a longitudinal slot originating from one end thereof;

said one member or two channel members is spaced apart relationship being mounted at the edge of said corresponding another one side of said bottom portion with the slot(s) in the web(s) thereof directed upwards;

said one channel member or two channel members being so mounted that when said top portion closes said bottom portion the protruding edge of said another one side of said top portion or said projections provided at the edge of said another one side of said top portion close(s) the slot(s) in the web(s) of said channel member(s);

said device further comprising a flexible entwining member such as herein described and a pair of buttons;

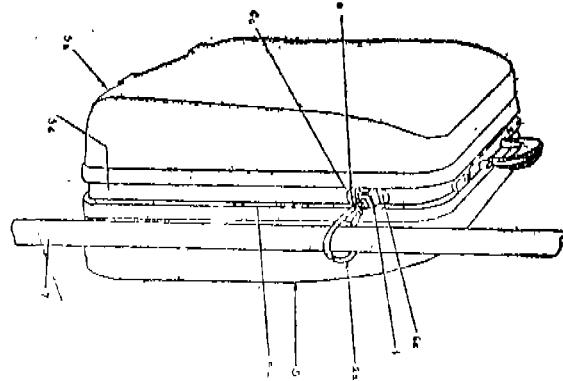
each of said buttons comprising two spaced apart heads with an interconnecting intermediate member;

one head of one of said buttons being connected to one end of said entwining member and one head of the other of said buttons being connected to the other end of said entwining member;

the dimensions of the heads and interconnecting member of each of said buttons and the depth of said channel member or each of said two channel members being such that the intermediate member each of said buttons is locatable and vertically slidable in the slot in the web of one channel member or each of said two channel members and that each of said buttons is not removable horizontally from the slot in the web of said one channel member or each of said two channel members in case said device comprising one channel member both of said buttons being engaged in the slot thereof one above the other and in case said device comprising two channel members;

each of said buttons being engaged in the slot of each of said two channel members;

said entwining member of being run around said post, rod or plank and said buttons being engaged in said slot(s) prior to closing said top portion and then closing said top portion to fasten said suitcase to said post, rod or plank.



Compl. specn. 12 pages.

Drg. 5 sheets

CLASS : 55-D<sub>2</sub>; 60-X<sub>1</sub>.

163691

A PROCESS FOR MAKING A CONTROLLED RELEASE BIOLOGICALLY ACTIVE COMPOSITION.

Applicant : PENNWALT CORPORATION, PENWALT BUILDING, THREE PARKWAY, PHILADELPHIA, PENNSYLVANIA 19102, UNITED STATES OF AMERICA

Inventors : 1. LUDWIG KONRAD HUBER, 2. HAROLD GEORGE MONSIMER.

Application No. 504/Cal/84 filed July 12, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A process for making a controlled release biologically active composition comprising a biologically active agent contained in a matrix of a water soluble/swellable poly-hydroxy polymer system such as herein described, an inorganic salt selected from the group of sulfates, phosphates and mixtures thereof, and optionally filler(s) such as herein described which comprises emulsifying/dispersing a biologically active agent, such as herein described, optionally on the said filler, in the said aqueous poly-hydroxy polymer system, adding an inorganic sulfate, phosphate or both and optionally, said filler(s) while thoroughly mixing, drying the product, and reducing the product to the desired particle size.

Compl. specn. 24 pages.

Drg. Nil

CLASS : 61-H

163692

Int. Cl. : F 26 b 5/04.

METHOD FOR MANUFACTURING POWER CAPACITORS.

Applicants : (1) OTDELENIE VSESOJUZNOGO NAUCHNO-ISSLEDOVATELSKOGO INSTITUTA ELEKTRONICHESKOGO OBORUDOVANJA V GORODE KHARKOVE, OF KHARKOV, PEREULIK INZHENERNY, LA USSR; (2) INSTITUT TEPLO-I MASSOOMBENIYIMENI A. V. LYKOVA AKADEMII NAUK BELORUSSKII SSR, OF MINSK, ULITSA PODLESNAYA, 15, USSR.

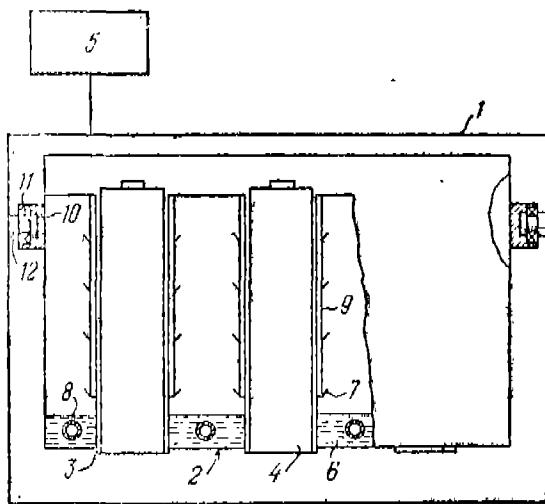
Inventors : 1. NIKOLAI ALEXEEVICH PRUDNIKOV, 2. NIKOLAI ALEXEEVICH GUDKO, 3. VLADIMIR MIKHAILOVICH BOGDANOV, 4. ALEXANDR GRIGORIEVICH VOSKHODOV, 5. VIKTOR YAKOVLEVICH SAVCHENKO.

Application No. 552/Cal/84 filed August 4, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A method for manufacturing power capacitors which comprises preparing capacitors in a known manner and subjecting same to drying characteristics in that the drying of the capacitors is carried out by placing capacitors in cells of the hermetic container heating said capacitors to the drying temperature by transmitting the heat from the walls of the cells which are heated by the heat emitted during condensation of a heat transfer agent, said heat transfer agent being collected on the surface of the cells during the heating of the capacitors which are cooled by evaporation of said heat-transfer agent.



Compl. specn. 8 pages

Drg. 1 sheet

CLASS : 55-D, E<sub>1</sub>.

163693

Int. Cl. : A 61 k 23/00; C 12 k 5/00. 9/00.

METHOD FOR PREPARATION OF HUMAN LEUKOCYTIC INTERFERON.

Applicant : VSESOUJZNY NAUCHNO-ISSLEDHOVATELSKY INSTITUT OSOBO CHISTYKH BIOPREPARATOV, OF LENINGRAD, ULITSA PUDOZHSKAYA 7, USSR.

Inventors : 1. LEONID PAVLOVICH KOROBITSYN, 2. ANATOLY MIKHAILOVICH PIVOVAROV, 3. SVETLANA VIKTOROVNA GONCHAROVA, 4. IRINA NIKOLAEVNA KULIKOVA, 5. JURY VASILIEVICH TYAGOTIN.

Application No. 737/Cal/84 filed October 20, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim

A method for preparation of human leukocytic interferon, comprising the steps of blood centrifuging, leukocyte separation, interferon biosynthesis, and end product isolation characterized in that blood centrifuging is carried out at an acceleration of between 1500 and 5000 g, with 15 to 75 per cent by volume of the top portion of the leukocyte-containing erythrocyte mass being made use for separation of leukocytes.

Compl. specn. 10 pages.

Drg. Nil

CLASS : 45-G

163694

Int. Cl. : E 03 d 1/00.

DEVICE FOR ACTUATING THE FLUSHING ACTION OF AN AUTOMATIC FLUSH CISTERN AND AUTOMATIC FLUSH CISTERN INCORPORATING SAID DEVICE.

Applicant & Inventors : ROBERT HENRY BURGESS & JUNE BURGESS, OF 6 McDONALD, CRESCENT, STRATHFIELD, NEW SOUTH WALES, COMMONWEALTH OF AUSTRALIA.

Application No. 62/Cal/85 filed January 31, 1985.

Convention date 2nd February, 1984 (446,658) Canada.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A device for actuating the flushing action of an automatic flush cistern, the automatic flush cistern comprising :

an upper water tank and a lower water tank and a ball-cock controlled water inlet to said upper water tank adapted to allow water to enter said upper tank to a predetermined via a valve-operated orifice in a wall of said upper tank wherein said valve opens in response to a predetermined water level in said lower water tank;

said lower tank being in open communication with siphon means for emptying said lower tank when the predetermined water level in the lower tank is exceeded;

said device for actuating the flushing action comprising tube means for extending through and providing communication between said upper and lower tanks; said tube means being adapted to as to remain filled with water when the lower tank has emptied;

the upper end of said tube means being adapted to extend into said upper tank providing a valve seat; valve means associated with said valve seat slidably mounted about the said upper end of said tube means;

the lower end of said tube means having cup means comprising a base and upwardly extending peripheral walls which surround but are spaced from the lower end of said tube and remotely-operated means for raising or unseating the said valve means whereby said valve means remains unseated until the upper tank empties into the lower tank.

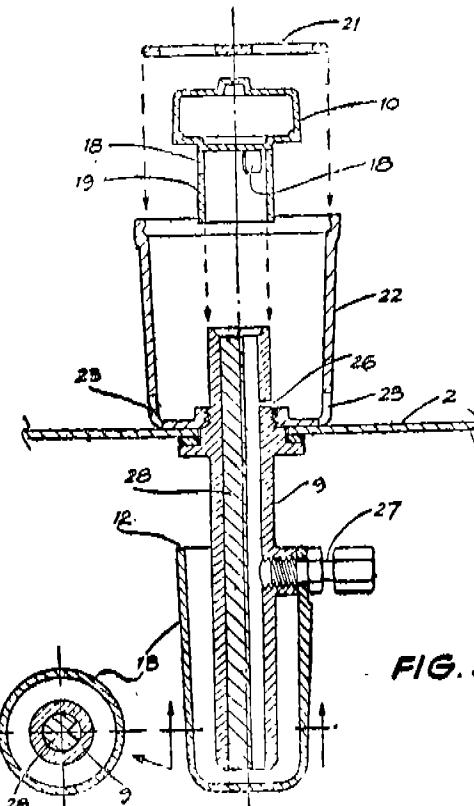


FIG. 3

Compl. specn. 13 pages

Drg. 3 sheets

CLASS : 187-B

163695

Int. Cl. : B 06 b 1/00; F 15 b 5/00;  
H 04 r 1/00, 1/22, 7/00.

## HIGH TEMPERATURE PRESSURE TRANSDUCERS.

Applicant : THE BABCOCK &amp; WILCOX COMPANY, OF 1010 COMMON STREET, P.O. BOX 60035, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERICA.

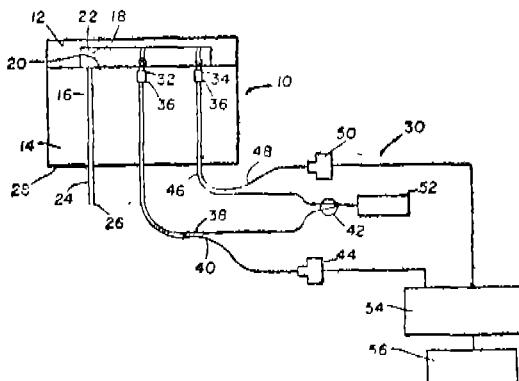
Inventor : JOHN WILLIAM BERTHOLD III.

Application No. 100/Cal/85 filed February 12, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims

A high temperature pressure transducer comprising :  
 a platform or a base member and a diaphragm member connected to said base member;  
 by an optical contact therebetween said base member and said diaphragm member being formed from a fused silica material; and  
 a gap located between said base member and said diaphragm member allowing the deflection of said diaphragm member in response to variations in the pressure applied thereto.



Compl. specn. 11 pages.

Drg. 1 sheet

CLASS : 34-A

163696

Int. Cl. : B 29 d 7/00.

## PROCESS FOR PRODUCING TUBULAR INHIBITED POLYETHYLENE FILM.

Applicant : INSTITUT MFKHANIKI METALOPLIMERNYKH SISTEM AKADEMII NAUK BELORUSSKOI SSR, OF GOMEL, ULITSA KIROVA, 32a, USSR.

Inventors : 1. IGOR MIKHAILOVICH VERTYACHIKH, 2. JURY IVANOVICH VORONEZHTELEV, 3. VIKTOR ANTONOVICH GOLDADE, 4. LEONID SEMENOVICH PINCHUK, 5. GRIGORY VIADIMIROVICH RECHITS, 6. SEMEN YAKOVLEVICH LIBERMAN.

Application No. 603/Cal/85 filed August 20, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims

A process for producing a tubular, corrosion-protective polyethylene film, characterised by providing a polyethylene melt plasticized with a mineral oil at a molar ratio of polyethylene : mineral oil equal to 75-85 : 25-15, extruding the plasticized polyethylene by blowing up with air to provide a tubular film and introducing into the cavity of the tube thus formed a conventional volatile oil-soluble corrosion inhibitor.

Compl. specn. 19 pages

Drg. Nil

CLASS :

163697

Int. Cl. : H 01 h 71/00.

## AN ELECTRICAL CIRCUIT BREAKER.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : 1. ROBERT JOSEPH TEDESCO, 2. DAVID LEO HAGGERTY.

Application No. 479/Cal/86 filed June 25, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 14 Claims

An electrical circuit breaker comprising a first electrical contact, operating means for moving said first and second electrical contacts into a CLOSED position and into an OPEN position, said operating means comprising a rotatable cross-bar for receiving said portion, said operating means including spring means for releasably biasing said base portion into driving engagement with said cross-bar to enable rotational movement of said first electrical contact in unison with the rotational movement of said cross-bar and to enable rotational movement of said first electrical contact substantially independently of the rotational movement of said cross-bar upon the occurrence of a fault current condition, said spring means comprising a compression spring and a spring clip disposed between said compression spring and said base portion, said spring clip having an outwardly projecting cam surface for engaging said base portion and for transferring spring force from said compression spring to said base portion.

Compl. Specn. 39 pages.

Drgs. 8 sheets.

CLASS :

163698

Int. Cl. : B 23 q 9/02.

## GIB FOR A MACHINE TOOL.

Applicant : THE CROSS COMPANY, OF FRASER MICHIGAN, UNITED STATES OF AMERICA.

Inventor : 1. ROBERT MOEHR.

Application No. 556/Cal/86 filed July 23, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims

A gib (10) for use with a machine tool having a movable member (42) and means (44, 96) for supporting the movable member for movement along an axis, the supporting means (44, 96) having a planar surface (40) extending along the axis and the movable member having a planar surface (38) in opposing relation with the planar surface (40) of the supporting means (44, 96), said gib (10) characterized by :

a body (12) having tapered ends (48) and a planar surface (46), said planar surface comprising at least a portion of a first side of said gib (10);

first and second wedges (14, 16), each of said wedges having a crowned surface (50) abutting one of said tapered ends (48) and a planar base surface (20, 22), said base surface comprising at least a portion of a second side of said gib (10) in opposing relation with said first side;

means (18) for mounting said body (12) and said first and second wedges (14, 16) for movement with said movable member (42) and within a space between said planar surface (38) of said movable member and said planar surface (40) of said supporting means (44, 96); and

means for moving said body (12) relative to said wedges (14, 16) as said body (12) and said wedges (14, 16) remain in contact to urge said surface (46) of said body (12) against one of said planar surfaces (38, 40) of said movable member (42) and said support means (44, 96), and for urging said (42) and said support means (44, 96), and for urging said base surfaces (20, 22) of said wedges (14, 16) against the other of said planar surfaces (38, 40), align said planar surface (38) of said movable member along said axis as said movable member (42) moves along said supporting means (44, 96).

Compl. Specn. 11 Pages.

Drg. 1 Sheet.

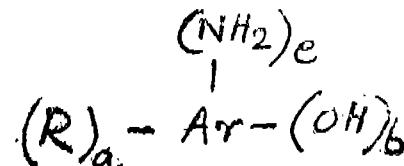
### 9 Claims

An improved lubricating composition for two cycle engines comprising a major amount by weight of at least one oil of lubricating viscosity, and a minor amount sufficient to control combustion ring sticking and prompt general engine cleanliness, of a composition comprising the combination of (A) at least one alkyl phenol of the formula I of the accompanying drawings;



Formula I

(B) at least one amino phenol of the formula II of the accompanying drawings



Formula II

wherein each R is independently a substantially saturated hydrocarbon-based group of an average of at least 10 aliphatic carbon atoms; a, b and c are each independently an integer of one up to three times the number of aromatic nuclei present in Ar with the proviso that the sum of a, b and c does not exceed the unsatisfied valences of Ar, each is independently a single ring, a fused or a linked polynuclear ring aromatic moiety having 0 to 3 optional substituents selected from the group consisting essentially of lower alkyl, lower alkoxy, nitro, nitroso, halo and combinations of two or more of said optional substituents and optionally (C) at least one detergent/dispersant selected from the group consisting of :

- (1) at least one neutral or basic metal salt organic sulfur acid, phenol or carboxylic acid;
- (2) at least one hydrocarbyl-substituted amine wherein the hydrocarbyl substituent is substantially aliphatic and contains at least 12 carbon atoms;
- (3) at least one acylated, nitrogen-containing compound having a substituent of at least 10 aliphatic carbon atoms made by reacting a carboxylic agent with at least one amino compound containing at least one -NH- group, said acylating agent being linked to said amino compound through an imido, amido, amidine, or acyloxy ammonium linkage;
- (4) at least one nitrogen-containing condensate of a phenol aldehyde and amino compound having at least one -NH- group;
- (5) at least one ester of a substituted poly carboxylic acid.

Compl. Specn. 21 pages.

Drg. 1 sheet.

CLASS 163699  
Int. Cl. A 61 k 47/00

A PROCESS OF PREPARING A HOMOEOPATHIC MEDICINE OF THE NOSODES GROUP "TORTOR FURENSINUM OR RANIKHETINEOM."

Applicant & Inventor : NANIGOPAL JANA, VILL-BHATENDA, P. O. RAJARHAT, DIST-NORTH 24- PAR-GANAS, PIN-743510, INDIA.

Application No. 30/Cal/87 filed January 12, 1987.

Complete Specn. left on 10th June, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 6 Claims

A process of preparing a Homoeopathic Medicine, for the treatment of the diseases like Ranikhet etc; comprising collecting body parts such as spleen and liver of the suffering or freshly dead birds affected with Ranikhet Disease or pneumo-encephalitis or Newcastle Disease, drying, mixing & rubbing the same substance with pure sugar of milk of predetermined quantity and obtaining the medicine in different dilutions or potencies in a conventional manner.

Provisional Specn 2 Pages. Drg. Nil  
Compl. Specn. 10 Pages. Drg. Nil

CLASS : 140-A<sub>1</sub> 163700  
Int. Cl. : C 10 m 127/00

### AN IMPROVED LUBRICATING COMPOSITION.

Applicant : THE LUBRIZOL CORPORATION, 29400 LAKELAND BLVD. WICKLIFFE, OHIO, U. S. A. 44092.

Inventor : L. KIRK EMERSON DAVIS.

Application No. 350/Cal/87 filed April 30, 1987.

Divisional date 16th February, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

Class. 62-C<sub>2</sub>. 163701.  
Int. Cl. C 09 b 62/00.

A LIQUID, WATER-CONTAINING DYEING PREPARATION.

Applicant : HOECHST AKTIENGESELLSCHAFT OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventor : 1. KONRAD OPITZ.

Class. 126-D; 146-D<sub>1</sub>

163703

Application No. 799/Cal/84 filed November 19, 1984.

01 d 5/26, 5/28

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## AN OPTICAL FIBRE BASED LINEAR DISPLACEMENT METER.

## 6 Claims

A liquid water-containing dyeing preparation of a reactive dyestuff, which contains 10-50% by weight of C.I. Reactive Blue 19, 5-50% by weight of one or more anionic dispersants from the group of the ligninsulfonates or from the group of the condensation products of formaldehyde with naphthalenesulfonic acid or with a naphthalene-sulfonic acid which is substituted by 1-3 lower alkyl groups of 1 to 4 carbon atoms, 1-30% by weight of the sodium salt of anthraquinone-2-sulfonic acid, 1-6% by weight of one or more buffer substances such as herein described which are incapable of any reaction with the reactive dyestuff which reduces the dyeing strength, and 38-83% by weight of water.

Compl. Specn. 16 pages. Drg. Nil.

Class. 70-B,C<sub>5</sub>.

163702

Int. Cl. B 01 k 1/00 to 1/06 &amp; 3/12.

## HYDROGEN STORAGE MATERIALS AND METHODS OF SIZING AND PREPARING THE SAME FOR ELECTRO-CHEMICAL APPLICATIONS.

Applicant : OVONIC BATTERY COMPANY, OF 1826 NORTHWOOD DRIVE, TROY, MICHIGAN 4808 U.S.A.

Inventors : 1. KRISHNA SAPRU, 2. KUOCHIN HONG, 3. MICHAEL ARTHUR FETECENKO, 4. SRINIVASAN VENKATESAN.

Application No. 236/Cal/85 filed March 29, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims.

A hydrogen storage electrode for use in an electrochemical cell, said electrode comprising any one a hydrogen storage alloy selected from the group consisting of :

(a)  $(Ti_{2-x}Ni_x)_1-yM_y$ where  $0 < x < 1.0$ ,  $0 < y < 0.2$  and  $M = Al$  or  $Zr$ ;(b)  $Ti_{2-x}Zr_xV_{4-y}Ni_y$ where  $0 < x < 1.5$ ,  $0.6 < y < 3.5$ ; and(c)  $Ti_{1-x}Cr_xV_{2-y}Ni_y$ where  $0 < x < 0.75$ ,  $0.2 < y < 1.0$ 

Compl. Specn. 34 pages.

Drg. 2 sheets.

Applicants : (1) MANOJ KUMAR GHOSH, DEPARTMENT OF ELECTRICAL ENGINEERING INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR-721302, INDIA;

(2) AMIYA KUMAR MALLICK, RADAR AND COMMUNICATION CENTRE INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR-721302, INDIA.

(3) (MS.) AMITA DATTA, QRS. NO. H-121, IIT CAMPUS, KHARAGPUR-721302, INDIA

(4) REGISTRAR INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR-721302, INDIA.

Inventors : 1. MANOJ KUMAR GHOSH, 2. AMIYA KUMAR MALLICK, 3. (MS.) AMITA DATTA.

Application No. 292/Cal/85 filed April 16, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims.

A device for precise measurement of micron ( $10^{-6}m$ ) order linear displacement of an object like diaphragm of a pressure transducer or eccentricity of a rotating shaft (i.e., the out of centre displacement of the shaft axis, which is linear) of a prime mover like turbine, employing optical fibres fitted to a fixed U-shaped block (with a groove in the middle), and a strip or multiple strips or a disc or a collar, which is rigidly attached (screwed or welded or soldered) to the object or to the rotating shaft undergoing displacement, the displacement of the object or the eccentricity of the rotating shaft being thus measured through the displacement of the strip or the disc or the collar, the strip or the multiple strips, of the disc or the collar being placed inside the groove cut in the U shaped block, with clearance within 5 mm on either side so as not to touch when sliding up or down or rotating, the input and output optical fibres, which are rigidly fixed with gum inside the holes cut in two arms of the U-shaped block being always in axial alignment with each other, the two fibres and a hole on the strip or on the disc or on the collar being in axial alignment for zero displacement of the strip or of the disc or of the collar, the maximum diameter of the hole or of the multiple holes being the same as that of the light beam to be incident on the detecting fibre, the intensity of the light incident on the detecting (output) fibre from the input fibre with light source being modulated due to displacement of the strip or of the multiple strips or of the disc or of the

collar, which is the measure of the linear displacement of the object or the eccentricity of the shaft.

(11) comprise pressure transmission gear for performing alternating reciprocal motion, characterized in that a mechanical actuating unit (12<sup>1</sup>) is connected to said pressure transmission gear (12), extending out of the cylinder (11) and coupled to a drive unit (13).

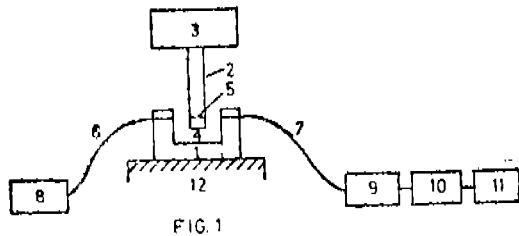


FIG. 1

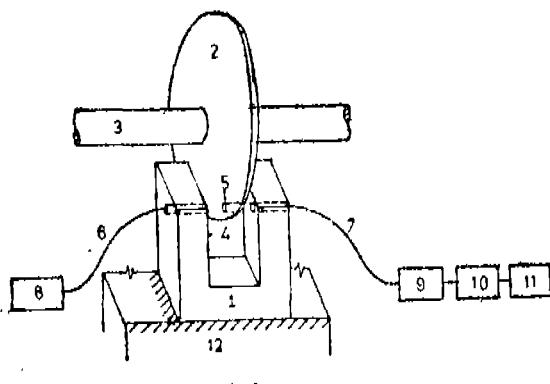


FIG. 2

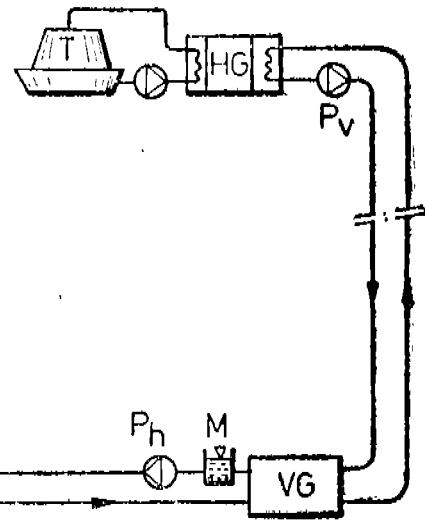


Fig. 1

Compl. Specn. 21 pages.

Drgs. 3 sheets.

Compl. Specn. 9 pages.

Drg. 1 sheet.

CLASS : 200-C + E.

163704

Int. Cl. : B 67 d 1/00, 3/00, 5/00.

## A WATER COLUMN MACHINE FOR TRANSPORTING LIQUIDS.

Applicant : PLANORG MERNOKI IRODA GM., OF 1125 BUDAPEST, TRENCSENI U. 34/a., HUNGARY.

Inventors : 1. TIBOR DORA, 2. JANOS PUCHER.

Application No. 385/Cal/85 filed May 21, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims

A water column machine for transporting liquids by the use of an operating fluid possessing potential energy comprising a closed system of a plurality of vessels having a plurality of cylinders (11) sealed from the atmosphere adapted to perform intake and displacement strokes both of the fluid to be transported and of the operating fluid and having connections with shut off means, said cylinders

CLASS : 50-D.

163705

Int. Cl. : F 25 b 27/02.

## HEAT-TRANSFER CIRCUITRY.

Applicant &amp; Inventor : JOHN FRANCIS URCH, OF 150 DEAN STREET, ENFIELD, N. S. W. 2136, COMMONWEALTH OF AUSTRALIA.

Application No. 433/Cal/85 filed June 7, 1985.

Convention dated 8th June, 1984. (PG 5421) Australia.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims

Heat transfer circuitry having a closed primary circuit containing an ejector (12) having a suction inlet; two reservoirs (1, 2) operating in alternation and each provided with heating means for boiling the liquified working fluid within it to create working fluid under pressure for supply to the ejector (12), and with cooling means for maintaining the working fluid collected in it cool and liquified after its passage around the primary circuit; and, a branch circuit containing an expansion valve (19) through which cooled and liquified working fluid is adiabatically expanded into an evaporator maintained under a low pressure by the connection of an outlet end of the branch circuit to the suction inlet of the ejector (12), characterised in that the branch circuit (16) has an inlet end supplied with working fluid under pressure directly from whichever of the reservoirs (1, 2) is supplying working fluid to the ejector (12), and means (18, 24) are provided for supplying working fluid

in a liquified and cooled condition to the expansion valve (19).

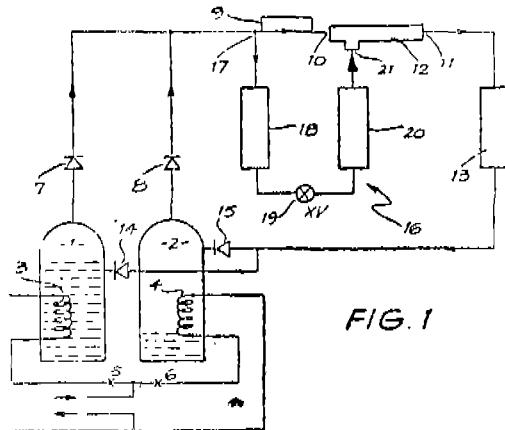


FIG. 1

Compl. specn. 17 pages.

Drg. 5 sheets

CLASS : 128-K; 144-B.

163706

Int. Cl. : A 61 l 17/00; C 03 c 25/00; C 09 d 1/00.

A SYNTHETIC SURGICAL FILAMENT HAVING IMPROVED AND SUBSTANTIALLY EQUAL DRY AND WET TIEDOWN PROPERTIES AND PROCESS FOR PREPARING THE SAME.

Applicant : ETHICON INC., AT SOMERVILLE, NEW JERSEY, UNITED STATES OF AMERICA.

Inventors : 1. FRANK VICTOR MATTAI, 2. DONALD WILLIAM REGULA.

Application No. 521/Cal/85 filed July 15, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 22 Claims

A synthetic surgical filament having improved and substantially equal dry and wet tiedown properties, said surgical filament having been coated with from about 0.02 to 0.25 per cent by weight of essentially a dry, powdered, substantially water-insoluble, absorbable salt of a C<sub>6</sub> or higher fatty acid such as herein described.

Compl. specn. 19 pages.

Drg. Nil.

CLASS : 150-E.

163707

Int. Cl. : B 62 k 19/06.

IMPROVEMENTS IN OR RELATING TO FRAMES HAVING TUBULAR COMPONENTS OR MEMBERS CONNECTED AT THEIR ENDS.

Applicant : HUFFY CORPORATION OF 7701 BYERS ROAD, MIAMISBURG, OHIO, U. S. A.

Inventors : 1. ROBERT L. DIEKMAN, 2. V. DANIEL DOWNING.

Application No. 80/Cal/85 filed December 6, 1985.

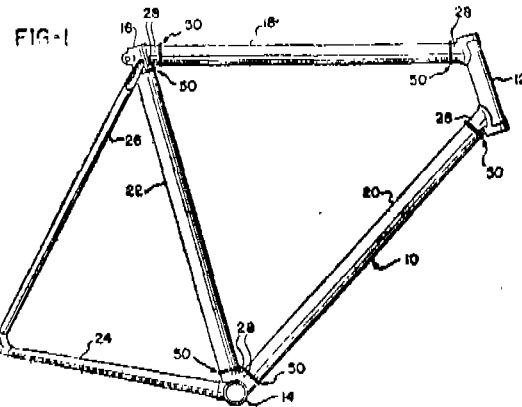
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 20 Claims

A frame which includes tubular components or members connected at ends thereof by bracket means, each joint at the ends of members comprising stub insert means adapted to be attached to bracket means, said stub insert means including base means with a substantially annular shoulder and stub means extending outwardly from said shoulder;

means having a tubular end telescoping over said stub means and terminating in a substantially annular end face; and

collect means positioned on said stub means between said shoulder and said end face, said collect means having an inner end engaging said shoulder, and an outer end engaging end face.



Compl. specn. 19 pages.

Drgs. 3 sheets

CLASS : 127-I.

163708

Int. Cl. : F 16 d 1/02.

## FLEXIBLE RESILIENT SHAFT COUPLINGS.

Applicant & Inventor : SAROJ KUMAR MITRA, OF P-38 BLOCK-B, LAKE TOWN, CALCUTTA-700089, WEST BENGAL, INDIA.

Application No. 71/Cal/86 filed January 31, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims

A flexible resilient shaft coupling comprising an outer member and an inner member, the said two members being adapted to be keyed to or otherwise secured to the adjacent opposed ends of two rotatable shafts, the outer member having a plurality of inwardly projecting longitudinally extending spaced apart teeth, the inner member having a plurality of outwardly projecting longitudinally extending spaced apart teeth, the inner member being housed within the outer member, characterised in that a plurality of helically wound resilient metallic springs are located between the said members, each spring being disposed in the gaps between a pair of teeth of the inner and the outer members, said springs being secured and anchored in positions with the help of grooves and holes which are formed on the front face of the outer member at right angles to the longitudinal axis of the coupling, originating from the roots of the teeth along the radially outward lines on both sides of the base of the teeth of the outer member and extending radically to the middle of the said front face or upto the middle of the chamfered face made at the joint of the periphery of the outer member and its front face or extending further

longitudinally on the periphery of the outer member and finally terminating respectively in the holes formed at an angle at a position on the said front face in between the annular thickness of the outer member or in the holes formed at an angle in the said chamfered face or in the holes formed radially on the periphery of the said outer member.

Compl. specn. 16 pages.

Drgs. 4 sheets

CLASS : 106; 120-B,+120-B.

163709

Int. Cl. : B 65 g 45/02 + 53/00.

A METHOD OF LEACHING ORES BEFORE BLASTING.

Applicant : E. I. DU PONT DE NEMOURS AND COMPANY, AT WILMINGTON, DELAWARE, UNITED STATES OF AMERICA.

Inventor : J. DAVID LINN COURSEN.

Application No. 271/Cal/86 filed April 4, 1986.

(Divisional date 3rd May, 1983).

Appropriate office for opposition proceedings (Rule 4, as Rules, 1972) Patent Office, Calcutta.

20 Claims

A method of leaching of ores before blasting during excavating, mining, quarrying and seismic prospecting operations which comprises feeding a Bingham solid through a conduit including the steps of :

(i) exerting a pressure on the Bingham solid to force it axially through an upstream cylindrical chamber which the Bingham solid moves axially into and having a substantially uniform diameter, from which the Bingham solid moves axially into and

through an adjoining downstream cylindrical chamber having a substantially uniform diameter larger than that of the upstream chamber, and from which it then moves into and through a conduit of substantially uniform diameter substantially equal to that of said downstream cylindrical chamber; and

(ii) simultaneously injecting a lubricating fluid into an annular chamber coaxial with said upstream and downstream cylindrical chambers, said annular chamber being connected to said downstream chamber by an annular passageway coaxial with said cylindrical chambers, said annular passageway having a constricted annular throat portion of adjustable width and a wider annular exit portion that ends facing in the downstream direction in a plane that delimits said cylindrical chambers and is normal to their common axis, said annular exit portion having an outside diameter substantially equal to the diameter of said downstream chamber and an inside diameter substantially greater than the diameter of said upstream chamber;

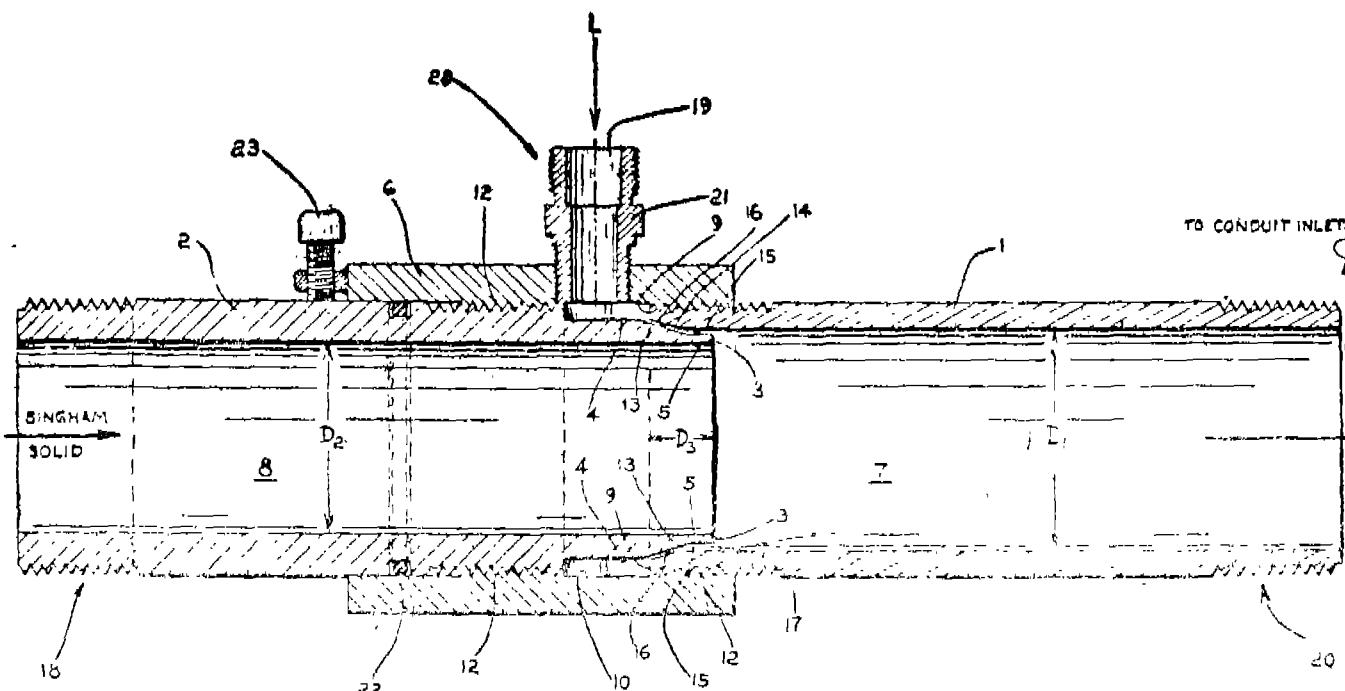
diameter substantially greater than the diameter of said upstream chamber;

(a) the rate at which the Bingham solid is forced through said chambers and conduit, (b) the rate of injection of said lubricating fluid, and (c) the width of said constricted annular throat being selected to give a lubricating fluid flow rate which is no greater than 5% of the Bingham solid flow rate, on a weight basis, and a drag force on the Bingham solid moving through a given section of said conduit which is no greater than the motive force of gravity on the Bingham solid when said given section of conduit is made vertical and finally carrying out leaching of the ores in a conventional manner.

Compl. specn. 29 pages.

Drgs. 3 sheets

Fig. 1



CLASS : 48-B.

163710

Int. Cl. : H 01 b 7/18.

**A PROTECTING SLEEVE AND A METHOD FOR PROTECTING CABLE SPLICES.**

Applicant : ETABLISSEMENTS MOREL-ATELIERS ELECTROMECANIQUES DE FAVIERES, OF FAVIERES-28170, CHATEAUNEUF EN THYMERAI, FRANCE.

Inventors : 1. JACQUES MOREL, 2. DIDIER MOREL.

Application No. 368/Cal/86 filed May 15, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**17 Claims**

A sleeve for protecting cable splices in particular for telephone cables, comprising at least two half-shells (3, 4) to be assembled together along their longitudinal edges (3a, 4a) around the cable splice (2), the opposite ends of the sleeve being provided with jaws (5, 6, 7, 8) for radially clamping and axially retaining the two cable ends (1a, 1b) which are connected by means of the splice (2), means being provided for forming a tight seal between the two half-shells (3, 4) and between the cable ends (1a, 1b) and the jaws, one of the half-shells (3) being formed in one piece, wherein the second half-shell (4) is provided with two end elements (9, 10) for covering the clamping jaws (5, 6, 7, 8) and a central element (11) which is intended to be placed between the two end elements and covers the adjacent edges (9a, 10a) of said end elements.

Compl. Specn. 25 pages.

Drgs. 6 sheets.

CLASS :

163711

Int. Cl. : C06B 21/00.

**"A PROCESS FOR THE PREPARATION OF PURE CRYSTALLINE HIGH EXPLOSIVES HMX AND RDX BY THE RECRYSTALLISATION THEREOF."**

Applicant : AKTIEBOLAGET BOFORS, A JOINT STOCK COMPANY ORGANISED UNDER THE LAWS OF SWEDEN, OF S-691 80 BOFORS, SWEDEN.

Inventors : LEIF SVENSSON, JAN OLOF NYQVIST, LARS WESTLING.

Application for Patent No. 216/Del/85 filed on 15th March, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

**8 Claims**

A process for the preparation of pure crystalline high explosives HMX and RDX by the recrystallisation thereof which comprises dissolving at room temperature (impure) crystals of HMX and RDX in a low molecular weight lactone solvent having more than 3 carbon atoms in the ring thereafter altering in a manner such as herein described the degree of saturation of the solution whereby pure crystals of HMX and RDX recrystallise out of said solution.

Compl. Specn. 12 pages.

Drgs. 2 sheets.

CLASS :

163712

Int. Cl. : H01H 33/00, 83/00.

**COMPRESSED GAS CIRCUIT BREAKER.**

Applicant : ALSTHOM, A FRENCH BODY CORPORATION, OF 38, AVENUE KLEBER, 75784 PARIS CEDEX 16, FRANCE.

Inventor : DANTE NICOLOSO.

Application for Patent No. 556/Del/85 filed on 16th July, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

**3 Claims**

A compressed gas circuit breaker comprising for each pole thereof a first enclosure and a second enclosure filled with gas under pressure, said first enclosure comprising a first envelope, a base and a top and containing fixed contacts and a moving assembly comprising contacts co-operating with said fixed contacts, a control rod for moving said moving assembly and connected thereto, said base having an axial opening for passage of said control rod, said second enclosure comprising a second envelope resting on a housing and containing a connecting rod articulated on a crank swivelling about a shaft through said housing, said shaft being connected outside the housing to rotational driving means, said second enclosure having a tubular spacer thereon, said first and second enclosures being, when the circuit breaker is assembled, coaxially superposed and positively connected together, said connecting rod and said control rod being connected end to end, said moving assembly thus having an operating stroke going from a first position where the breaker is open to a second position where the breaker is closed, characterised in that said circuit breaker moving assembly is movable beyond said second position by an overstroke produced by an increased rotation of said shaft, said shaft comprising a means for locking it in overstroke position, said first enclosure comprising a sliding tubular air lock provided with an annular head in which engages a larger-diameter end piece of said control rod, said head sliding in a sealed manner in a closed cylindrical part within and coaxial to said first enclosure thus ensuring gastight closure of said first enclosure when the moving assembly is in overstroke configuration, the connecting rod of the second enclosure comprising a head which, when the moving assembly is in overstroke configuration, engages in a gastight manner with the spacer, said spacer having a transverse opening in line with which the ends of said control and connecting rod that are to be connected together meet when the bottom of the air lock comes to bear upon the spacer.

Compl. Specn. 9 pages.

Drgs. 5 sheets.

Int. Cl. : C23F 11/10.

**"A PROCESS FOR THE PREPARATION OF AN INHIBITOR SUITABLE FOR PICKLING OF STEEL PIPES/STRUCTURES IN HYDROCHLORIC ACID."**

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, New Delhi-110001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventors : INDER SINGH & VISHWANATH ANANT ALTEKAR.

Application for Patent No. 613/Del/85 filed on 31st July, 1986.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi 5.

## Claims 5

A process for preparation of an inhibitor suitable for pickling of steel pipes/structures in hydrochloric acid comprises reacting an amine represented by the general formula  $C_6\text{-}18H_{10\text{-}25}$  with a complex amine represented by the general formula  $C_6\text{-}13H_{11\text{-}23}N_{1\text{-}5}$  in the presence of mineral acid and a ketonic or alcholic compound represented by the general formula  $C_3\text{-}8O H_{4\text{-}12}$  at room temperature to  $60^\circ C$  and adding to the solution an inorganic or organic halide, such as herein described. (Complete specification 8 Pages)

## 12 Claims

Method for the preparation of non-woven products constituted of superposed webs of fibers, wherein part of the fibers undergo a mechanical post-needling operation to extract part of the fiber from the substrate of the layer of fibers and thus constitute fiber ends of parallel orientation in order to form a combed covering over at least one of the faces of the fiber layer said operation being possible only with fibers which have qualities of elasticity and rigidity.

Compl. Specn. 15 pages.

Draws. 4 sheets.

CLASS : 163714

Int. Cl. : C07J 5/00.

## "A PROCESS FOR THE CONVERSION OF SOLASODINE HYDROCHLORIDE TO 16-DEHYDROPREGENENOLONE ACETATE (16-DPA)".

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : AYINAMPUDI SREE, MARINGANTI BA-PUJI & SHIB NARAYAN MAHAPATRA.

Application for Patent No. 633/Del/85 filed on 2nd August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

## 11 Claims

A process for the conversion of solasodine hydrochloride to 16-dehydropregnolone acetate (16DPA) which comprises acetylation of solasodine hydrochloride by known methods to prepare 0, N-Solasodine diacetate, refluxing by known methods the diacetate to obtain pseudosolasodine diacetate, oxidising the pseudo solasodine diacetate by known methods, hydrolytic cleavage of the oxidation product, by refluxing, by known methods, precipitating the crude 16 DPA by adding water and purification by crystallisation.

Compl. Specn. 7 pages.

CLASS : 163715

Int. Cl. : D02H 13/06.

## METHOD FOR THE PREPARATION OF NON-WOVEN PRODUCTS WITH A COMBED EFFECT, USING A RECIPROCAL MECHANICAL DEVICE.

Applicant : BENOIT LE TAPIS BROSSE, A FRENCH COMPANY, OF 213, A AVENUE FRANKLIN, ROOSEVELT-69152 DECINES, FRANCE; ASSELIN, A FRENCH COMPANY, OF 41, RUE CAMILLE RANDOING, BP 421, 76504 ELBEUF, FRANCE; MICHEL MARTIN, A FRENCH CITIZEN, OF 55, RUE DU CHERCHE-MIDI, 75006 PARIS, FRANCE AND MICHEL LAINE, A FRENCH CITIZEN OF 21, RUE BREANT, 76320 SAINT-PIERRE LES ELBEUF, FRANCE.

Inventor : MICHEL MARTIN, MICHEL LAINE, AND JEAN-CLAUDE GACON.

Application for Patent No. 642/Del/85 filed on 6th August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

## 5 Claims

Fan clutch comprising a fixed support (12), an input member or driving means (32) and an output member (18) mounted on said fixed support (12), bearing means (62, 64) for rotatably mounting the input and output members (32, 18) on said fixed support (12) for rotation relative to the fixed support (12) and relative to one another, a first set of clutch plates (28) drivingly connected to said output member (18), a second set of clutch plates (58) drivingly connected with the input member (32) and co-operatively arranged with the first set of clutch plates (28) to provide a driving connection therebetween when the clutch is engaged, one of said members (32) including a housing (34), said housing (34) defining a stepped bore coaxial with the axis of rotation of said input and output members (32, 18), said bore having larger (44) and smaller (46) diameter portions with a shoulder (50) therebetween, said shoulder (50) co-operating with the larger portion (44) of the bore to define an annular cavity, characterised in that said second set of clutch plates (58) are mounted on an annular clutch plate carrying member (52) coaxial with said bore and received within said annular cavity, said clutch plate carrying member (52) having connecting means or clines (56) extending from the inner circumferentially extending surface thereof, said connecting means (56) slidably mounting said second set of clutch plates (58) for movement coaxially with said bore, another connecting means (54) in the form of driving pins drivingly connecting the annular clutch plate carrying member (52) with the input member (32), and fluid pressure responsive means (90) in engagement with said

first and second sets of clutch plates and actuatable to urge said first and second set of clutch plates (28, 58) into driving engagement with one another.

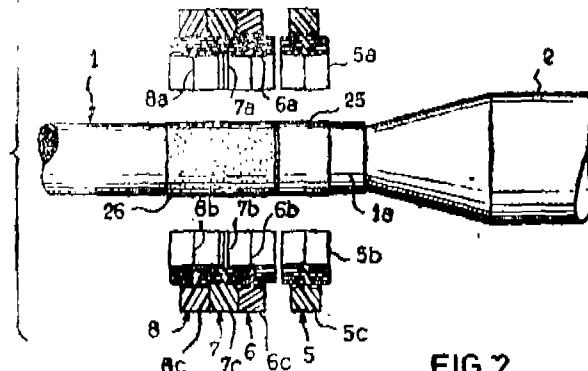


FIG. 2

CLASS :

163717

Int. Cl. : F03D 1/02.

**“WIND ENERGY CONVERTER OF WIND MILL.”**

Applicant : KAPUR SINGH GHUMAN AND KAKA GHUMAN BOTH INDIAN NATIONALS OF A-791 PREM NAGAR, NABI KARIM, PAHARGANJ, New DELHI-110055, INDIA.

Inventors : KAPUR SINGH GHUMAN AND KAKA SINGH GHUMAN.

Application for Patent No. 672/Del/85 filed on 19th August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi 110005.

## 4 Claims

A wind energy converter or wind mill comprising :

- a vertical member or pole fixed at its lower end to the upper end of another vertical member or pole which carries the wind rotor or rotors which are fitted with wind vanes or blades;
- a pair of horizontal parallel rails fixed at their ends one above the other to a rotatable shaft supported by bushes fixed to the said first vertical member or pole;
- a vane fixed to the outer ends of the said rails with its plane extending vertically;
- a pair of bushes slidable along the rails and connected together by a plurality of vertical bars to move in unison;
- a vertical plate secured to the said bushes;
- a horizontal shaft fixed to the said first vertical member or pole;
- a bracket fixed to said horizontal shaft outer end and having a pivotable and rotatable pulley;
- a rope or cord passing over the said pulley on one side and anchored to an eyelet on one of the said pulley on one side and anchored to an eyelet on one of the said rails;
- the other end of the cord or rope being fixed to a counterweight on the other side of the pulley;
- a helical spring fixed at its one end to one of the said bars and at its other end to an arm welded to and projecting from the said rotatable shaft;

the vane at the end of the rails rotatable about the rotatable shaft so as to bring the wind rotors at right angles to the direction of the wind; when the wind velocity increases;

to cause the wind rotors to move till their vertical plane becomes parallel to the direction of the wind. Compl. specn. 10 pages. Drg. 2 sheets

CLASS 4 : C09D 1/02

163718

**A PROCESS FOR THE PREPARATION OF A PAINT HAVING FIRE RESISTANT PROPERTIES.**

Applicant : SHRI RAM INSTITUTE FOR INDUSTRIAL RESEARCH, 19, UNIVERSITY ROAD, DELHI-110007, INDIA, AN INDIAN INSTITUTE, REGD. UNDER SOCIETY ACT.

Inventor : DATTAPRASAD ACHYUT DABHOLKAR, ANIRUDH KUMAR AGRAWAL AND RAKESH CHANDRA SOOD.

Application for Patent No. 674/Del/85 filed on 19 August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi 110005.

## 7 Claims

A process for the preparation of a paint having fire resistant properties which comprises in preparing a paste of sodium silicate in water in conjunction with an alkali metal salt and/or alkaline earth saltas herein described, adding a dispersion of titanium dioxide thereto and then adding an antifreezing agent consisting of magnesium chloride and/or sodium chloride and/or glycols such as ethylene glycol.

Complete specification 8 pages.

CLASS 4 : G03C 1/86

163719

**“A PROCESS FOR THE PRODUCTION OF HEAT SENSITIVE RECORDING PAPER AND THE HEAT SENSITIVE RECORDING PAPER SO PREPARED.”**

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, India, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : CHOWDHURY NATH SAIKIA, PRAFULLA PRAN BARUA, BANI PRASAD CHALIHA & JOGENDRA NATH BARUA.

Application for Patent No. 718/Del/85 filed on 30th August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi 110005.

## 6 Claims

A process for making a heat sensitive recording paper which comprises forming a colour developing layer on a base sheet by coating on the sheet a composition comprising a colourless chromogenic material bisphenol A, precipitated silica, stearic acid, stearic acid amide, zinc stearate, titanium dioxide and kaolin clay (light), with carboxymethyl cellulose alone or in combination with polyvinyl alcohol as binders in aqueous medium.

Compl. specn. 10 pages.

CLASS : 163720  
Int. Cl. : A61k 31/13.

**A METHOD OF PREPARING AN IMMOBILIZED ANTIBODY SYSTEM.**

Applicant : UOP INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE IN THE UNITED STATES OF AMERICA, WITH ITS PRINCIPAL PLACE OF BUSINESS LOCATED AT TEN UOP PLAZA, ALGONQUIN & MT. PROSPECT ROADS, DES PLAINES, ILLINOIS 60016, U.S.A.

Inventor : EDWARD CHARLES ARNOLD.

Application for Patent No. 1027/Del/85 filed on 5th December, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi 110005.

6 Claims

A method of preparing an immobilized antibody system comprising reacting an aminated core support selected from the group consisting of porous or semi-porous, inorganic solids containing amino groups and amino-functionalized polyhydroxylic organic materials, with an antibody in the presence of a condensing agent which promotes formation of an amide linkage, and recovering the resulting immobilized antibody system.

Complete specification 12 pages.

R. A. ACHARYA  
Controller General of Patents, Designs  
and Trade Marks